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(NASA-TM-X-69350) NSSDC INDEX OF
INTERNATIONAL SCIENTIFIC ROCKET LAUNCHES
ORDERED BY SPONSERING COUNTRY/AGENCY
(NASA) 244 p HC \$12.75 CSCL 22C
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N73-27732

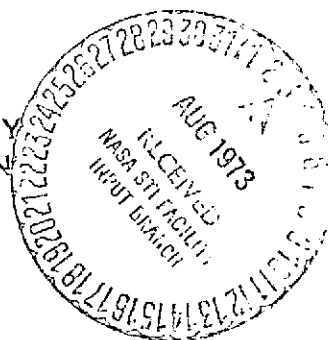
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NSSDC INDEX OF INTERNATIONAL SCIENTIFIC ROCKET LAUNCHES ORDERED BY SPONSORING COUNTRY/AGENCY

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A. ROCKET DISCIPLINE CODES

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1. AURORA AND AIRGLOW
 - 1B AURORAL EMISSIONS
* PHOTOGRAPHIC OBSERVATION OF VISIBLE, AURORAL EMISSIONS WHICH ARE BRIGHT ENOUGH TO BE EASILY SEEN BY THE HUMAN EYE.
 - 1C AIRGLOW EMISSIONS
* PHOTOMETRIC OBSERVATION OF UV, VISIBLE OR IR EMISSIONS (BOTH NIGHTGLOW AND DAYGLOW) WHICH ARE IMPOSSIBLE, OR DIFFICULT TO SEE WITH THE HUMAN EYE.
 - 1D AURORAL/AIRGLOW COMPOSITION
* IDENTIFICATION (USUALLY SPECTROSCOPIC) OF EMITTING CONSTITUENTS OF AURORA AND/OR AIRGLOW.
 - 1E ATMOSPHERIC RADIATIONS
* OBSERVATIONS OF OTHER ATMOSPHERIC PHENOMENA, USUALLY PHOTOMETRIC.
 - 1X SUBDISCIPLINE UNKNOWN
2. ATMOSPHERIC PHENOMENA
* DOES NOT INCLUDE ROUTINE SYNOPTIC METEOROLOGICAL ROCKET OBSERVATIONS.
 - 2A WINDS AND DIFFUSION
* OBSERVATIONS OF WIND AND DIFFUSION NOT INCLUDING CATEGORIES 2J, 2V, 2Y AND 2Z BELOW, OR SYNOPTIC OBSERVATIONS. MAY INCLUDE CHAFF OBSERVATIONS WITH GROUND RADAR.
 - 2B PRESSURE
* OBSERVATIONS OF PRESSURE NOT INCLUDING CATEGORIES 2J, 2Y AND 2Z BELOW OR SYNOPTIC OBSERVATIONS.
 - 2C TEMPERATURE
* OBSERVATIONS OF TEMPERATURE NOT INCLUDING CATEGORIES 2J, 2Y AND 2Z BELOW, OR SYNOPTIC OBSERVATIONS.
 - 2D ALBEDO
* LOW RESOLUTION, LARGE AREA OBSERVATIONS OF THE TOTAL RELATIVE REFLECTANCE OF PLANETS (INCLUDES REFLECTANCE FROM MARINE SURFACES, SOLID LAND FORMS, AND SOLID OR LIQUID AEROSOLS).
 - 2E PLANETARY RADIATIONS
* OBSERVATION OF PLANETARY EMISSIONS ATTRIBUTABLE TO TEMPERATURE OF THE EMITTER.
 - 2F NEUTRAL DENSITY
* OBSERVATIONS OF NEUTRAL DENSITY NOT INCLUDING CATEGORIES 2J, 2Y AND 2Z. A PITOT TUBE, MICROPHONE GAUGE, OR RAM GAUGE IS OFTEN USED.
 - 2G NEUTRAL COMPOSITION
* OBSERVATION OF THE COMPOSITION OF THE NEUTRAL ATMOSPHERE, USUALLY BY MASS SPECTROMETERS OR ATMOSPHERIC SAMPLING.
 - 2H ELECTROMAGNETIC WAVES
 - 2I ACOUSTICS
* OBSERVATION OF ACOUSTIC PROPERTIES NOT INCLUDING CATEGORY 2Z.
 - 2J METEOROLOGICAL APPLICATIONS
* OBSERVATIONS RELATED TO DEVELOPMENT OF ROUTINE SYNOPTIC OPERATIONS (OR RELATED PROCEDURES), AND ROCKET OR SATELLITE LAUNCH SUPPORT OBSERVATIONS.
 - 2K NOCTILUCENT CLOUDS
* INCLUDES COMPOSITION MEASUREMENTS, PHOTOMETRIC OBSERVATIONS, ETC.
 - 2L ABSORPTION/SCATTERING
* OBSERVATIONS OF SCATTERING OR ABSORPTION OF VISIBLE LIGHT BY THE ATMOSPHERE.
 - 2V VAPOR TRAIL OR CHEMICAL RELEASE
* GROUND OBSERVATIONS OF CHEMICALS RELEASED FROM ROCKETS. THIS INCLUDES VAPOR TRAILS FOR WIND OR DRIFT OBSERVATIONS. IT INCLUDES IONIZING CLOUDS FOR STUDY OF MAGNETIC FIELDS AND ION MOTIONS ONLY WHEN A NEUTRAL CLOUD IS ALSO USED FOR SCIENTIFIC STUDY.

CATEGORY 2G AND 5A ARE ALSO USED WHEN AN IONIZED CLOUD IS STUDIED.
CATEGORY 2A IS NOT USED WHEN THIS CATEGORY IS ASSIGNED.

2X SUBDISCIPLINE UNKNOWN

2Y FALLING SPHERE

* RADAR OBSERVATIONS OF AN EJECTED, CONSTANT VOLUME SPHERE FOR WIND, DENSITY AND DERIVED TEMPERATURE VALUES. CATEGORIES 2A, 2B, 2C, AND 2F ARE NOT USED WHEN THIS CATEGORY IS ASSIGNED.

2Z GRENADES

* GROUND BASED AURAL AND OPTICAL OBSERVATIONS OF SEQUENTIALLY FIRED GRENADES ALONG THE ROCKET ASCENT CAN PROVIDE MEAN TEMPERATURES, SPOT WINDS, AND COMPUTED DENSITIES. CATEGORIES 2A, 2B, 2C AND 2F ARE NOT USED WHEN THIS CATEGORY IS ASSIGNED.

3. IONOSPHERE

3A WAVE PROPAGATION

* THIS INCLUDES BEACONS, VLF EXPERIMENTS, FARADAY ROTATION, AND ABSORPTION OBSERVATIONS INVOLVING A RADIO RECEIVER EITHER ON THE GROUND OR THE ROCKET, WHICH RECEIVES A NATURAL OR MAN MADE TRANSMISSION AT SOME DISTANCE FROM THE ROCKET.

3B CURRENTS AND FIELDS

* OBSERVATION OF ELECTRIC CURRENTS AND MAGNETIC FIELDS ASSOCIATED WITH THE IONOSPHERIC REGION (50 TO 2000 KM).

3C ION/ELECTRON DENSITY

* OBSERVATION OF ION OR ELECTRON DENSITY BY ROCKET TECHNIQUES OTHER THAN WAVE PROPAGATION. THIS INCLUDES MANY TYPES OF PROBES AND TRAPS, FARADAY CUP, LANGMUIR PROBE ETC.

3D ION COMPOSITION

* OBSERVATION OF THE COMPOSITION OF IONOSPHERIC IONS, USUALLY BY MASS SPECTROMETRY. ION MASS SPECTROMETERS MAY BE USED FOR EITHER NEUTRAL OR ION COMPOSITION MEASUREMENTS.

3E ION/ELECTRON TEMPERATURE

* OBSERVATION OF ION OR ELECTRON TEMPERATURE, USUALLY BY MEANS OF A LANGMUIR TYPE PROBE.

3F ION PRODUCTION/RECOMBINATION

* OBSERVATION OF PRODUCTION OR REMOVAL RATES OF IONS OR ELECTRONS IN THE IONOSPHERE. THESE EXPERIMENTS ARE MOST FREQUENTLY PERFORMED WHEN THE RATES ARE HIGH (I.E., DAWN AND DUSK) AND NOT AT LOCAL MID DAY OR NIGHT.

3G IONOSPHERIC MOTIONS

* OBSERVATION OF ION OR ELECTRON MOTIONS IN THE 50 TO 2000 KM REGION, MOST COMMONLY ACCOMPLISHED BY OPTICAL OBSERVATIONS OF A VISIBLE ION CLOUD WHICH RESULTS FROM A CHEMICAL RELEASE.

3X SUBDISCIPLINE UNKNOWN

4. ENERGETIC PARTICLES

4A GALACTIC OR SOLAR COSMIC RAYS

* USUALLY AT HIGH GEOMAGNETIC LATITUDE (ABOVE 50 OR 60 DEGREES).

4C TRAPPED RADIATION

* USUALLY AT LOW OR MIDDLE GEOMAGNETIC LATITUDES (BELOW 65 DEGREES). DETECTOR DOES NOT POINT ALONG MAGNETIC FIELD LINE.

4D PRECIPITATING PARTICLES

* USUALLY AT LOW OR MIDDLE GEOMAGNETIC LATITUDES (BELOW 65 DEGREES). DETECTOR LOOKS AWAY FROM EARTH ALONG GEOMAGNETIC FIELD LINE.

4X SUBDISCIPLINE UNKNOWN

5. MAGNETIC AND ELECTRIC FIELDS

5A ELECTRIC FIELDS

* MEASURED WITH DIPOLE ANTENNAE, ELECTROMETERS, ETC.

5B MAGNETIC FIELDS

* MEASURED WITH MAGNETOMETERS.

5C OTHER

SX SUBDISCIPLINE UNKNOWN

6. SOLAR PHYSICS

* INSTRUMENT POINTING ACCURACY AND RESOLUTION ARE CRITICAL.

- 6A RADIO (G.T. 1MM)
* OBSERVATIONS OF SOLAR RADIO EMISSION MADE BY RADIO TELESCOPE.
- 6B INFRARED (.6-1000 MICRONS)
* OBSERVATIONS OF SOLAR IR MADE BY COLLIMATED AND FILTERED
PHOTOMETRIC OR BOLOMETRIC SENSORS.
- 6C VISIBLE (3000-8000A)
* SOLAR OBSERVATIONS WHICH ARE USUALLY MADE BY COLLIMATED AND FILTERED
PHOTOMETRIC SENSORS, E.G., SPECTROMETERS, ETC.
- 6D ULTRAVIOLET (2000-3000A)
* SOLAR OBSERVATIONS WHICH ARE USUALLY MADE BY COLLIMATED AND FILTERED
PHOTOMETRIC SENSORS, E.G., SPECTROMETERS, ETC.
- 6E EXTREME UV (100-2000A)
* SOLAR OBSERVATIONS WHICH ARE USUALLY MADE BY COLLIMATED AND FILTERED
PHOTOMETRIC SENSORS, E.G., SPECTROMETERS, ETC.
- 6F X RAYS (.001-100A)
* SOLAR XRAY EMISSION OBSERVED BY PRIMARY AND/OR SECONDARY EFFECTS
ON FILM PACKS OR COUNTING DEVICES.
- 6G GAMMA RAYS (L.T. .001A)
* SOLAR GAMMA RAY EMISSION OBSERVED BY PRIMARY AND/OR SECONDARY
EFFECTS ON COUNTING DEVICES.
- 6X SUBDISCIPLINE UNKNOWN

7. ASTRONOMY

* ELIMINATION OF SOLAR EFFECTS FROM INSTRUMENT RESPONSE IS MOST
CRITICAL.

- 7A RADIO (G.T. 1MM)
* OBSERVATIONS OF A GALACTIC RADIO EMISSION MADE BY RADIO TELESCOPE.
- 7B INFRARED (.8-1000 MICRONS)
* OBSERVATIONS OF GALACTIC IR MADE BY COLLIMATED AND FILTERED
PHOTOMETRIC OR BOLOMETRIC SENSORS.
- 7C VISIBLE (3000-8000A)
* GALACTIC OBSERVATIONS WHICH ARE USUALLY MADE BY COLLIMATED AND
FILTERED PHOTOMETRIC SENSORS, E.G., SPECTROMETERS, ETC.
- 7D ULTRAVIOLET (2000-3000A)
* GALACTIC OBSERVATIONS WHICH ARE USUALLY MADE BY COLLIMATED AND
FILTERED PHOTOMETRIC SENSORS, E.G., SPECTROMETERS, ETC.
- 7E EXTREME UV (100-2000A)
* GALACTIC OBSERVATIONS WHICH ARE USUALLY MADE BY COLLIMATED AND
FILTERED PHOTOMETRIC SENSORS, E.G., SPECTROMETERS, ETC.
- 7F X RAYS (.001-100A)
* GALACTIC XRAY EMISSION OBSERVED BY PRIMARY AND/OR SECONDARY EFFECTS
ON FILM PACKS OR COUNTING DEVICES
- 7G GAMMA RAYS (L.T. .001A)
* GALACTIC GAMMA RAY EMISSION OBSERVED BY PRIMARY AND/OR SECONDARY
EFFECTS ON COUNTING DEVICES.
- 7X SUBDISCIPLINE UNKNOWN

8. PLANETOLOGY

- 8A MICROMETEORITES
* OBSERVATION OF MICROMETEORITE SIZE, DENSITY OR FREQUENCY OF
OCCURRENCE. A MICROPHONE GAUGE IS OFTEN USED.
- 8B ZODIACAL LIGHT OR GEGENSCHNEIN
* PHOTOMETRIC OBSERVATIONS OF SOLAR LIGHT SCATTERED BACK TO EARTH BY
DUST LOCATED ABOVE THE EQUATORIAL REGION. GEGENSCHNEIN IS OBSERVED
ONLY NEAR LOCAL MIDNIGHT. ZODIACAL LIGHT IS BEST OBSERVED WITH VERY
DARK SKY BACKGROUND, I.E., AT RELATIVELY LOW LATITUDES WITH NO
MOONLIGHT.

8C GRAVITY

* OBSERVATIONS OF THE GRAVITY FIELD AND ITS VARIATIONS.

8D TERRAIN PHOTOGRAPHS

* TERRAIN PHOTOGRAPHS ARE USUALLY PROCESSED FROM RECOVERED FILM CANISTERS.

8X SUBDISCIPLINE UNKNOWN

9. BIOLOGY

9X SUBDISCIPLINE UNKNOWN

0. ROCKET/SATELLITE TEST AND OTHER

0A PERFORMANCE

* INCLUDES TEST OF MOTORS, FINS AND PRIMARY ROCKET STRUCTURE INCLUDING STAGING.

0B COMMUNICATION SYSTEMS

* INCLUDES TELEMETRY AND COMMAND SYSTEMS TESTING.

0C EXPERIMENT TEST/ DEVELOPMENT

* TEST OR DEVELOPMENT OF INSTRUMENTATION FOR PROPOSED EXPERIMENTS.

0D ENGINEERING EXPERIMENTS

* INCLUDES NOSECONE DESIGN, EJECTION MECHANISMS, COMMUTATOR OPERATION, RECOVERY PACKAGE, OR EXPERIMENT NOT DEFINED IN A, B, OR C ABOVE. ALSO MAY INCLUDE SEVERAL CATEGORIES ABOVE SUCH AS GENERAL SYSTEMS CHECKOUT.

0E OTHER

B. SITE CODES

AL	ALGERIA	HAMM HAMMAGUIR (COLOMB BECHAR)	30D49'N	003D04'W	UT 0
AL	ALGERIA	REGN REGGANE	26D43'N	000D10'E	UT 0
AR	ARGENTINA	CHAM CHAMICAL	30D20'S	066D19'W	UT -4
AR	ARGENTINA	MARC MAR CHIQUITA	37D45'S	057D25'W	UT -4
AR	ARGENTINA	MROP MAR DEL PLATA	38D00'S	058D00'W	UT -4
AR	ARGENTINA	TART TARTAGUL	22D46'S	063D49'W	UT -4
AU	AUSTRALIA	CARN CARNARVON	24D30'S	113D24'E	UT +8
AU	AUSTRALIA	WOOM WOOMERA	31D58'S	136D31'E	UT +9
AX	ANTARTICA (FR)	DMDU DUMOLT D'URVILLE	60D40'S	140D01'E	UT +9
BR	ERAZIL	CASS CASSINO	32D12'S	052D10'W	UT -3
BR	ERAZIL	NATL NATAL	05D52'S	035D23'W	UT -3
CA	CANADA	CPPR CAPE PARRY, N.W. TERR.	70D10'N	124D43'W	UT -8
CA	CANADA	EQUO EAST QLOODY, NFLD	44D54'N	063D25'W	UT -4
CA	CANADA	FTCR FORT CHURCHILL, MANITOBA	58D44'N	09HD49'W	UT -6
CA	CANADA	PRIM PRIMOSE LAKE, ALBERTA	54D45'N	110D03'W	UT -7
CA	CANADA	RESB RESOLUTE BAY, N.W. TERR.	74D42'N	094D54'W	UT -6
FG	FRENCH GUIANA	KFRG KOUROU (GUYANE)	05D12'N	053D43'W	UT -4
FR	FRANCE	IDLF ILE DU LEVANT	43D03'N	006D28'E	UT 0
FR	FRANCE	TCLN TEST CENTER OF LANDES	44D16'N	003D36'W	UT +1
GR	GREECE	KARY KARYSTOS	38D01'N	024D25'E	UT +2
		(PANELNGPENK), TJILILITAN			
GR	GREECE	KORO KORONI BEACH	36D46'N	021D57'E	UT +2
IA	INDONESIA	LPSC LAPAN SPACE CENTER	07D40'S	107D11'E	UT +7
IN	INDIA	THUM THUMBA (TRIVANDRUM)	08D32'N	076D52'E	UT +5
IT	ITALY	SARA SARDINIA	39D56'N	009D24'E	UT +1
JA	JAPAN	AKTA AKITA, AKITA	39D34'N	140D04'E	UT +9
JA	JAPAN	KAGA KAGOSHIMA, KAGOSHIMA	31D15'N	131D04'E	UT +9
JA	JAPAN	QBAI OBACHI, AGMORI	40D42'N	141D44'E	UT +9
KE	KENYA	SMPK SAN MARCO PLATFORM			
NO	NORWAY	ANDA ANDOYA	69D18'N	016D00'E	UT +1
NZ	NEW ZEALAND	KARP CAPE KARIKARI	34D00'S	173D30'E	UT +12
PA	PAKISTAN	SONM SONMIANI (KARACHI)	25D12'N	066D45'E	UT +4
PR	PUERTO RICO	AREO ARECIBO (VEGA BAJA)	18D25'N	067D00'W	UT -4
SM	SURINAM	CORE CORONIE	05D51'N	056D18'W	UT -4
SP	SPAIN	AREN ARENCSELLO (HUELVA)	37D06'N	006D44'E	UT +1
SW	SWEDEN	KIRA KIRUNA	68D00'N	021D00'E	UT +1
SW	SWEDEN	KRON KRONCARG	66D13'N	019D47'E	UT +1
UA	UNITED STATES	ARRF ALASKA ROCKET RANGE	65D06'N	147D30'W	UT -10
UA	UNITED STATES	BARS BARKING SANDS, (KAUAI), HAWAII	22D04'N	159D46'W	UT -11
UA	UNITED STATES	BART BARTER ISLAND, ALASKA	70D07'N	143D38'W	UT -10
UA	UNITED STATES	CPKF ATLANTIC MISSILE RANGE, FLORIDA	28D27'N	080D32'W	UT -5
UA	UNITED STATES	CPKF CAPE CANAVERAL, FLORIDA	28D27'N	080D32'W	UT -5
UA	UNITED STATES	CPKF CAPE KENNEDY, FLORIDA	28D27'N	080D32'W	UT -5
UA	UNITED STATES	CPKF EASTERN TEST RANGE, FLORIDA	28D27'N	080D32'W	UT -5
UA	UNITED STATES	EGLN EGLIN AFB (PANAMA CITY) FLORIDA	30D23'N	080D32'W	UT -06
UA	UNITED STATES	FTSM FORT SHERMAN, (CANAL ZONE)	09D20'N	079D59'W	UT -5
UA	UNITED STATES	FTWW FAIRBANKS, ALASKA	64D48'N	147D38'W	UT -10
UA	UNITED STATES	FTWW FORT WAINWRIGHT, ALASKA	64D48'N	147D38'W	UT -10
UA	UNITED STATES	JOHI JOHNSTON ISLAND	16D45'N	169D31'W	UT -11
UA	UNITED STATES	KEWE KEWEENAW, MICHIGAN	47D26'N	87D43'W	UT -6
UA	UNITED STATES	KWJN KWAJALEIN, MARSHALL ISLANDS	08D44'N	167D44'E	UT +12
UA	UNITED STATES	PTBO POINT BARROW, ALASKA	71D20'N	156D47'W	UT -10
UA	UNITED STATES	PTMU POINT MUGU (OXNARD), CALIF	34D07'N	119D07'W	UT -8
UA	UNITED STATES	TONM TONOPAH TEST RANGE, NEVADA	38D00'N	116D30'W	UT -8
UA	UNITED STATES	VNBC PACIFIC MISSILE RANGE,	34D38'N	120D32'W	UT -8

		CALIF	34D37°N	120D35°W	UT -8
UA	UNITED STATES	VNBC POINT ARGUELLC (LCMPDC), CALIF	34D37°N	120D35°W	UT -8
UA	UNITED STATES	VNBC WESTERN TEST RANGE (LCMPDC), CALIF	34D38°N	120D32°W	UT -8
UA	UNITED STATES	VNBC VANDENBURG AFB (LCMPDC), CALIF.	34D38°N	120D32°W	UT -8
UA	UNITED STATES	WALI WALLCPS ISLAND, VIRGINIA	37D50°N	075D29°W	UT -5
UA	UNITED STATES	WSMR HOLLCMAN, NEW MEXICO	32D24°N	106D32°W	UT -7
UA	UNITED STATES	WSMR WHITE SANDS MISSILE RANGE, NEW MEXICO	32D24°N	106D32°W	UT -7
UA	UNITED STATES	XCRO SHIP CROATAN			
UA	UNITED STATES	YUMA YUMA, ARIZONA	32D52°N	114D19°W	UT -7
UK	UNITED KINGDOM	ANTA ANTIGUA, B.W.I	17D09°N	061D47°W	UT -4
UK	UNITED KINGDOM	ASNI ASCENSION ISLAND	07D59°S	014D25°W	UT 0
UK	UNITED KINGDOM	SUST WEST GEIRINISH, SCUTH UIST	57D22°N	007D20°W	UT +1
UR	U.S.S.R	KAIS KHEYSA ISLAND	80D37°N	058D03°E	UT +5
UR	U.S.S.R	KAPU KAPLSTINYAR, ASTRAKHAN	48D31°N	045D48°E	UT +4
UR	U.S.S.R	MOLO MDLCDEZHNYA	67D40°S	045D51°E	UT -3
UR	U.S.S.R	PLES PLESETSK, ARKHANGELSK	65D42°N	040D21°E	UT +4
UR	U.S.S.R	TYUR TYURATAPM, KAZAKHSTAN	45D38°N	063D16°E	UT +4
UR	U.S.S.R	VOLG VOLGEGRAD, STALINGRAD	48D41°N	044D21°E	UT +4

C. AGENCY ID

Rocket Identification, Agency Designations

The format and codes used by nations, organizations, and agencies to identify rockets are compiled alphabetically by country name. When it is not obvious, the date that usage of the code was initiated is included. In designating the format, sequential letters are used to key alphabetic codes and sequential numbers to key numerical codes. When the format is of variable length, X or 0 is used to key letters or numbers, respectively. Where Roman numerals are commonly used, they are keyed with Z but are converted to Arabic numbers in the listings for convenience in sorting. When either a letter or a number can be used, the key for the more common case is used and underlined (see key below). NSSDC would appreciate information that would correct or extend this listing.

KEY

letter keys	A,B,C - - - U,V,W (single letter key) X (key for one or more letters)
number keys	1,2,3,4 - - - (single Arabic number key) 0 (key for one or more numbers) Z (key for Roman numerals)

EXAMPLES

Example 1 Canada

Key	=	ABC-ZD-123
Agency ID	=	AKF-III A-12
NSSDC File Entry	=	AKF-3A-012

Example 2 U.S. (early launches to about 1956)

Key	=	X-123
Agency ID	=	Viking-2
NSSDC File Entry	=	Viking-002

Canada

Format

ABC-ZD-123

Affiliation of funding agency-----A
Affiliation of project scientist-----B
Payload manufacturer-----C
Rocket type (D sometimes omitted)-----ZD
Serially assigned number-----123

Codes

(a) Key for "A" or "B" or "C"

A - National Research Council
B - Communications Research Centre (previously DRTE)
C - CARDE (Canadian Armament R&D Establishment)
D - University of Saskatchewan
E - University of Toronto
F - Bristol Aerospace Ltd.
G - Pacific Missile Range
H - University of Western Ontario
K - University of Calgary
L - Federal Republic of Germany (MPI)
M - York University
N - University of British Columbia
O - University of Montreal

(b) Key for "ZD"

Agency Entry	NSSDC File Entry
II	= 2 - Black Brant 2
IIIA	= 3A - Black Brant 3A
IVA	= 4A - Black Brant 4A
IVB	= 4B - Black Brant 4B
VA	= 5A - Black Brant 5A
VA/1	= 5A/1 - Black Brant 5A/1
VB	= 5B - Black Brant 5B
	BA - Boosted Arcas
	S2 - Skua II

Example

Key = ABC-ZD-123
Agency ID = AMF-IIIA-47
NSSDC File Entry = AMF-3A-047

England (See United Kingdom)

ESRO (European Space Research Organization)

Format

X-A12/3

Organization-----X
Rocket type-----A
Payload package identification-----12
Serially assigned number-----3

Codes

- (a) Key for "X"
ESRO - European Space Research Organization
- (b) Key for "A"
A - Arcas
B - Belier
C - Centaure
D - Dragon
S - Skylark
V - Veronique
- (c) Key for "12"
These are described in "ESRO Information Document 2/68" and various issues of the "ESRO/ELDO Bulletin." Each payload is identified as consisting of one or more rocket (e.g., R.12) and/or satellite (e.g., S.12) experiments.

Example

Key = X-A12/3
Agency ID = C62/2
NSSDC File Entry = ESRO-C62/2

France

Format

X-123

Launch site or rocket type-----X
Serially assigned number-----123

France (continued)

Code

Key for "X"
CE - Centaur
D - Dragon
D1 - Dragon I
D2 - Dragon II
D3 - Dragon III
N - Hammaguir Range, Algeria (North Africa)
NA - Hammaguir Range, Algeria (North Africa)

Example

Key = X-12
Agency ID = Dragon III ND24
NSSDC File Entry = D3-024

India

Format

X-12-345

National agency-----X
Rocket type-----12
Serially assigned number-----345

Codes

(a) Key for "X"
INCOSPAR - Indian Committee for Space Research
ISRO - Indian Space Research Organization

(b) Key for "12"
08 - M100
10 - unknown
11 - unknown
15 - unknown
19 - unknown
20 - unknown
23 - unknown
24 - unknown
25 - unknown
30 - unknown
35 - unknown

India (continued)

40 - unknown
45 - unknown
JD - Judi Dart

Example

Key = X-12-34
Agency ID = ISRO-45.03
NSSDC File Entry = ISRO-45.003

Italy

Format

X-AB-123

Organization-----X
Rocket type-----AB
Serially assigned number-----123

Codes

- (a) Key for "X"
ISRC - Italian Space Research Council
- (b) Key for "AB"
SK - Skylark
RS - Unknown

Example

Key = X-AB-123
Agency ID = ISRC-RC-02
NSSDC File Entry = ISRC-RC-002

Japan

Format 1 (first rocket development models)

X-A

Rocket type-----X
Text purpose-----A

Japan (continued)

Codes for Format 1

- (a) Key for "X"
Pencil
Baby
- (b) Key for "A"
S - Simple
R - Recovery
T - Telemeter

Example of Format 1

Key	= X-A
Agency ID	= Baby-R
NSSDC File Entry	= Baby-R

Format 2 (rocket development models)

AB-123-4/5

Rocket purpose-----	AB
First stage diameter in millimeters-----	123
Test motor - fractional part of nominal length-----	4/5

Codes for Format 2

- (a) Key for "AB"
 - AT - Antenna test
 - FN - Four nozzle test
 - FT - Flutter test
 - HT - Heat and structural test
 - K- - Kappa
 - L- - Lambda
 - LT - Launch test
 - ML - Unknown
 - MT - Meteorological rocket
 - OT - Operational test
 - RT - Radar transponder
 - S- - Sigma
 - SO - Safety operation
 - ST - Stability test
 - SP - Spin tail (fin test)

Japan (continued)

(b) Key for "123"

050 - 50 mm
075 - 75 mm
122 - 122 mm
128 - 128 mm
135 - 135 mm
150 - 150 mm
160 - 160 mm
245 - 245 mm
300 - 300 mm
420 - 420 mm
735 - 735 mm

(c) Key for "4/5" (used for ground test rocket motors)

1/9 - One ninth flight design length
1/3 - One third flight design length
2/3 - Two thirds flight design length
3/3 - Full size motor
J - Unknown

Example of Format 2

Key = AB-123-4/5
Agency ID = L-735-3/3
NSSDC File Entry = L-735-3/3

Format 3

A-12B-CD-345

Rocket type-----A
Rocket model-----12B
Parameters observed (usually omitted)-----CD
Serially assigned number-----345

Codes for Format 3

(a) Key for "A"

K - Kappa
L - Lambda
M - Mu
S - Sigma

Japan (continued)

- (b) Key for "12"
Serially assigned number. Roman and Arabic numbers are both commonly used for K-6. For other rockets, Arabic numbers are most commonly used.
- (c) Key for "B" (when missing, is usually an L or M model)
 - L - Low performance
 - M - Medium performance
 - H - High performance
 - S - Super-high performance
- (d) Key for "CD" (When more than one "CD-345" exists, the file entry will repeat using a "/" separation as shown in the example below.)
 - TW - Temperature, wind
 - CP - Cosmic rays, pressure
 - RS - Solar radiation
 - IC - Unknown
 - ID - Unknown
 - AG - Unknown

Example of Format 3

Key	= A-12B-CD-345
	(AG-3)
Agency ID	= K-8 (ID-2)
NSSDC File Entry	= K-8-AG-5/ID-2

Format 4

A-123

Unknown-----	A
Serially assigned number-----	123

Code for Format 4

Key for "A"
S - unknown
T - unknown

Japan (continued)

Example of Format 4

Format	= A-123
Agency ID	= T-63
NSSDC File Entry	= T-063

Netherlands

<u>Format</u>	X-Z
Launch site-----	X
Serially assigned number-----	Z

Code

Key for "X"
Surinam

Example

Key	= X-Z
Agency ID	= Surinam I
NSSDC File Entry	= SURINAM-01

Norway

<u>Format</u>	X-123
Rocket type-----	X
Serially assigned number-----	123

Code

Key for "X"
DE - unknown

Example

Key	= X-123
Agency ID	= DE-35
NSSDC File Entry	= DE-035

Pakistan

Format

X-123/45

National agency or rocket name-----X
Serially assigned number-----123
Scheduled launch year (appears after 1968)-----45

Codes

- (a) Key for "X"
Rehbar - Guide
Rehnuma - Leader
Shahpar - Rider
Suparco - Space and Upper Atmospheric Research
Commission
- (b) Key for "45"
Last two digits of year

Example

Key = X-123/45
Agency ID = SUPARCO 62/70
NSSDC File Entry = SUPARCO-062/70

Sweden

Format

A12-345

Launch site-----A
Launch year-----12
Serially assigned number-----345

Codes

- (a) Key for "A"
K - Kiruna
- (b) Key for "12"
Last two digits of year

Sweden (continued)

Example

Key	= A-12-345
Agency ID	= K62-1
NSSDC File Entry	= K-62-001

United Kingdom

Format

AB-123C

Rocket type-----	<u>AB</u>
Serially assigned number (four numbers used for Skylark rockets)-----	<u>123</u>
Launch site (omitted for Skylark rockets)-----	<u>C</u>

Codes

(a) Key for "AB"

SU	- Skua 1
SA	- Skua 2
P-	- Petrel
SL	- Skylark

(b) Key for "C"

H	- South Uist
T	- Thumba
K	- Kiruna

Example

Key	= AB-123C
Agency ID	= P 9H
NSSDC File Entry	= P--009A

United States (early launches to about 1956)

Format

X-123

Vehicle or organization name-----	<u>X</u>
Serially assigned number-----	<u>123</u>

United States (continued)

Code

Key for "X"

A - Applied Physics Lab. (APL), Johns Hopkins
University
DAN - Nike Deacon
N-C - Nike Cajun
NRL - U.S. Naval Research Laboratory
SC - Army Signal Corps Engineering Laboratories
USAF - U.S. Air Force
V-2 - V-2 Rocket
Viking - Viking Rocket

Example

Key = X-12
Agency ID = DAN-4
NSSDC File Entry = DAN-004

United States, DASA (Defense Atomic Support Agency)

Format

A-123B

Agency-----A
Serially assigned number-----123
Unknown (usually omitted)-----B

Code

Key for "A"
D - DASA

Example

Key = A-123B
Agency ID = D-16B
NSSDC File Entry = D-016B

United States, DOD-USAF (Department of Defense, U.S. Air Force)

Format 1 (approximately 1960 to 1968)

AB12.345C

Organization-----A
Fiscal year funding was provided-----B
Rocket type (same as NASA code)-----12
Serially assigned code for experimenters-----345
Serially assigned letter-----C

Codes for Format 1

- (a) Key for "A"
A - USAF
- (b) Key for "B"
A - FY 1961 (CY 60-61)
B - FY 1962
C - FY 1963
D - FY 1964
E - FY 1965
F - FY 1966
G - FY 1967
H - FY 1968
J - FY 1969

Example of Format 1

Key = AB12.345C
Agency ID = AA3.100C
NSSDC File Entry = AA03.100C

Format 2 (approximately 1969 to present)

A12.345-67

Organization-----A
Rocket type-----12
Fiscal year funding was provided-----3
Experiment (payload) number-----45
Serially assigned number-----67

Codes for Format 2

- (a) Key for "A"
A - USAF

United States, DOD-USAF (continued)

- (b) Key for "12"
- 03 - Aerobee 150
 - 04 - Aerobee 170
 - 07 - Niro
 - 08 - Nike-Tomahawk
 - 16 - Black Brant IV
 - 17 - Black Brant VA
 - 18 - Black Brant VC
 - 19 - Javelin
 - 21 - Trail Blazer
 - 30 - Super Arcas
 - 35 - Aerobee 350

- (c) Key for "3"
- 0 - 1970, 1980, etc.
 - 1 - 1971, 1981, etc.

Example of Format 2

Key	= A12.345-67
Agency ID	= A30.900-03
NSSDC File Entry	= A30.900-03

Format 3

X_1-X_2

"NAMED" rocket identifier-----	X_1
Names assigned to rockets	
Launched by Rosenberg of AFCRL-----	X_2

Codes for Format 3

- (a) Key for " X_1 "
- NA - NAME (introduced by NSSDC so names will sort together)
- (b) Key for " X_2 "
- Rocket name truncated to 12 characters. Examples follow:

Blanche	Indian Ground	Paragon	Violet
Blossum	Inez	Paula	Wanda
Clair	Jamestown	Queens Fort	Yorkshire
Dagmar	Lila	Rockley	
Dover	Maxwell	Sara	
Foul Bay	Needhams Point	Seawell	
Gun Hill	Orion	Stella	

United States, DOD-USAF (continued)

Example of Format 3

Key	= X ₁ -X ₂
Agency ID	= Blanche
NSSDC File Entry	= NA-Blanche

United States, DOD-USN (Department of Defense, U.S. Navy)
(IGY system used from 1956 to Nov. 7, 1960)

Format (from Nov. 8, 1960)

AB12.345C

Organization-----	A
Experiment type-----	B
Rocket type-----	12
Serially assigned number-----	345
Added information-----	C

Codes

(a) Key for "A"

N - Navy or NRL (Naval Research Laboratory)

(b) Key for "B"

A - Solar radiation (Kreplin)
B - X-ray and UV astronomy (Byram)
C - Aeronomy (Johnson)
D - Airglow (Packer)
E - Solar spectroscopy (Purcell)
F - Infrared astronomy (McNuth)

(c) Key for "12"

1 - Aerobee, RTV-N10
2 - Aerobee, RTV-N10C
3 - Aerobee 150, Navy Aerobee Hi, AGVL-011 (3F, AJ11-21,
RV-N-130)
5 - Aerobee 350
6 - Nike Cajun
7 - Black Brant III
8 - Nike Asp
9 - Black Brant IV
10 - Aerobee 300
11 - Aerobee 100 (Junior)
13 - Exos
14 - Astrobee 500

United States, DOD-USN (continued)

15 - Astrobee 200
16 - Caleb 1
17 - Caleb 2
18 - Iris
19 - Javelin
20 - Atlas Pod
21 - Super Chief, Sergeant-Talos
22 - Blue Scout Jr.
23 - Tomahawk

(d) Key for "C"

F - Funded at least in part by National Science Foundation
R - Reflight of recovered unsuccessful experiment

Example

Key = AB12.345C
Agency ID = NA3.201
NSSDC File Entry = NA3.201

United States, IGY

Format

AB12.345C

Directing agency-----A
Instrumenting agency-----B
Vehicle type-----12
Serially assigned number-----345
Vehicle purchaser if not directing agency-----C

Codes

(a) Key for "A" or "B" or "C"

A - USAF CRL (Cambridge Research Laboratory)
B - ARMY BRL (Ballistic Research Laboratory)
C - University of Colorado
F - NSF (National Science Foundation)
I - SUI (State University of Iowa)
M - University of Michigan
N - NRL (Naval Research Laboratory)
O - Army Ordnance
S - Army Signal Corps Engineering Laboratory
U - University of Utah
CC - Canadian Armament R&D Establishment

United States, IGY (continued)

- (b) Key for "12"
- 01 - Aerobee, RTV-A-1a, AJ10-25
 - 02 - Aerobee, RTV-N-10c, AJ10-35
 - 03 - Navy Aerobee Hi, RV-N-13c
 - 05 - Rockoon
 - 06 - Nike Cajun
 - 07 - Nike Deacon
 - 08 - Nike Asp
 - 09 - Loki II, Dart
 - 10 - Spaerobee
 - 12 - Aerobee 75

Example

Key	= AB12.345C
Agency ID	= OB6.03
NSSDC File Entry	= OB06.003

United States, NASA

Format 1

X12.345AB

Organization-----	X
Rocket type-----	12
Serially assigned number-----	345
Type of instrumenting agency-----	A
NASA funding office-----	B

Codes for Format 1

- (a) Key for "X"
- NASA - National Aeronautics and Space Administration
- (b) Key for "12"
- 01 - Aerobee 100
 - 02 - Arcon
 - 03 - Nike Asp
 - 04 - Aerobee 150, 150A
 - 05 - Iris
 - 06 - Aerobee 300
 - 07 - Argo E-5
 - 08 - Javelin
 - 09 - Skylark

United States, NASA (continued)

- 10 - Nike Cajun
- 11 - Journeyman
- 12 - Special Project
- 13 - Unknown
- 14 - Nike Apache
- 15 - Arcas
- 16 - Astrobee 1500
- 17 - Aerobee 350
- 18 - Nike Tomahawk

(c) Key for "A"

- A - Other government agencies
- C - Industrial
- D - Department of Defense
- G - NASA-GSFC
- I - International
- N - NASA - other than GSFC
- U - University or college

(d) Key for "B"

- A - Aeronomy
- B - Biology
- E - Energetic particles and magnetic fields
- G - Galactic astronomy
- I - Ionospheric physics
- M - Meteorology
- P - Special projects
- R - Radio astronomy
- S - Solar physics
- T - Test and support

Example of Format 1

Key	=	X12.345AB
Agency ID	=	14.434GE
NSSDC File Entry	=	NASA 14.434GE

Format 2

X-12

Organization-----	X
Serially assigned number-----	12

United States, (continued)

Code for Format 2

Key for "X"

EXAMETNET - Experimental Inter-American Meteorological
Network (after 1969 considered a part of
MRN)

Example of Format 2

Key	= X-12
Agency ID	= EXAMETNET8
NSSDC File Entry	= EXAMETNET-08

Format 3 (NASA-Wallops Island)

AB1-2345.

Sponsoring organization-----	A
Location or type operation (omitted for Wallops ground launches)-----	B
Number of rocket stages-----	1
Serially assigned number-----	2345

Codes for Format 3

(a) Key for "A"

- A - NASA-Ames Research Center
- B - U.S. Navy
- C - NASA-Lewis Research Center
- D - U.S. Air Force
- E - U.S. Army
- F - Foreign nations
- G - NASA-GSFC
- H - NASA-Headquarters
- I - Industry
- J - NASA-Jet Propulsion Laboratory
- K - Colleges and universities
- L - NASA-Langley Research Center
- M - NASA-Manned Spacecraft Center
- N - NASA-Kennedy Space Center
- O - U.S. Coast Guard
- P - NASA-Marshall Space Flight Center
- Q - Atomic Energy Commission
- R - Electronics Research Center
- S - Scientific community other than universities
and colleges

United States, NASA (continued)

T - Wallops Station
U - Flight Research Center
V -
W - National Oceanic and Atmospheric Administration
(ESSA, WB), Department of Commerce

(b) Key for "B"

A - Air launch
B - Airborne instrumentation test
C - Balloon launch
D - Aircraft drop test
E - Shipboard instrument test
F - Spacecraft or vehicle track
G - Ground-based instrumentation test
H - Pt. Barrow, Alaska, launch
I - French Guiana Space Center
J - Aeronautical research program
K - Satellite track
L -
M - Mobile-land launch
N - Natal, Brazil, launch
P - Earth resources
Q - Bermuda, U.K., rocket launch
R - Air/surface recovery equipment test
S - Shipboard launch
V - Ground vehicle test

Example of Format 3

Key = AB1-2345
Agency ID = G2-5351
NSSDC File Entry = G2-5351

U.S.S.R.

Format

X-0

Rocket designation-----X-0

U.S.S.R. (continued)

Code

Key for "X-0"

A-4 - Large geophysical rocket

MR-1 - Meteorological rocket

MP-12 - Meteorological rocket

M-100 - Meteorological rocket

Example

Key	= X-0
Agency ID	= MP-12
NSSDC File Entry	= MP-12

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[illegible]

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY AGENCY

02/02/72

NSSDC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS		PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0	R		E		
R6603-2405	1702	ESRD-V80	AL FR	HAMM AL											E	209	S	S	UNKNOWN
R6604-2201	1900	RUBIS-03	AL FR	HAMM AL		A	X	X	X							2035	S	S	UNKNOWN
R6211-2704			AR	CHAM AR		V									N/A	S	S	TABANERA, T. M.	
R6211-3004			AR	CHAM AR		V									N/A	S	S	TABANERA, T. M.	
R6511-2501	0440		AR	CHAM AR		V									175	S	F	ZARAGOZA, A.	
R6511-2502	0824		AR	CHAM AR		V									175	S	S	TEI TELBAUM, H.	
R6511-2601	0824		AR	CHAM AR		V									175	S	S	ZARAGOZA, A.	
R6604-2701	2154	10-1438	AR	CHAM AR		A									60	S	S	TEI TELBAUM, H.	
R6607-1303	2244	10-1448	AR	CHAM AR		A									N/A	S	S	LICHTENSTEIN, L. E.	
R6606-1501	1543	10-1450	AR	CHAM AR		C									N/A	S	S	LICHTENSTEIN, L. E.	
R6709-0601	2235	AER 1/67	AR	CHAM AR		V									N/A	S	S	ZARAGOZA, A.	
R6709-0705	0950	AER 1/67-3	AR	CHAM AR		V									N/A	S	S	ZARAGOZA, A.	
R6709-0704	0605	AER 1/67-2	AR	CHAM AR		V									N/A	S	S	ZARAGOZA, A.	
R6411-0403	0831	CE-078	AR	CHAM AR		V									175	S	S	LOPEZ, A.	
R6411-0605	0831	CE-079	AR	CHAM AR		V									176	S	S	LOPEZ, A.	
R6411-0505	2316	CE-080	AR	CHAM AR		V									179	S	S	LOPEZ, A.	
R7005-0601	2226	D-001	AR	MRDP AR			C	A	C				A		430	S	S	SANTOCHI, O.	
R6608-1703	1630	EXAMETNET-08	AR UA	CHAM AR		A									194	S	S	MANZANO, J. R.	
R6609-0801	1841	EXAMETNET-09	AR UA	CHAM AR		C									60	S	S	IGLESIAS, G.	
R6609-1403	1915	EXAMETNET-10	AR UA	CHAM AR		A									61	S	S	LICHTENSTEIN, L. E.	
R6609-2101	1640	EXAMETNET-11	AR UA	CHAM AR		C									67	S	S	LICHTENSTEIN, L. E.	
R6610-1303	2330	EXAMETNET-12	AR UA	CHAM AR		A									70	S	S	LICHTENSTEIN, L. E.	
R6611-1602	1530	EXAMETNET-13	AR UA	TART AR		A									61	S	S	LICHTENSTEIN, L. E.	
R6612-1404	1407	EXAMETNET-14	AR UA	CHAM AR		C									60	S	S	LICHTENSTEIN, L. E.	
R6612-1405	2025	EXAMETNET-15	AR UA	CHAM AR		A									N/A	S	S	LICHTENSTEIN, L. E.	
R6701-1801	1415	EXAMETNET-16	AR	CHAM AR		C									68	S	S	LICHTENSTEIN, L. E.	
R6702-1501	1401	EXAMETNET-17	AR	CHAM AR		A									68	S	S	LICHTENSTEIN, L. E.	
R6703-1501	1110	EXAMETNET-18	AR	CHAM AR		A									32	F	F	LICHTENSTEIN, L. E.	
R6704-1204	1446	EXAMETNET-19	AR	CHAM AR		A									75	S	S	LICHTENSTEIN, L. E.	
R6705-1702	1615	EXAMETNET-20	AR	CHAM AR		A									70	S	F	LICHTENSTEIN, L. E.	
R6706-1401	1640	EXAMETNET-21	AR	CHAM AR		C									72	S	F	LICHTENSTEIN, L. E.	

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

02/02/72

NSSDC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0					
R6707-1203	1702	EXAMETNET-22	AR	CHAM AR	A										70	S	F	LICHTENSTEIN,L.E.	
R6708-1601	1425	EXAMETNET-23	AR	CHAM AR	A										70	S	S	LICHTENSTEIN,L.E.	
R6709-1301	2030	EXAMETNET-24	AR	CHAM AR	A										N/A	S	S	LICHTENSTEIN,L.E.	
R6710-1801	2103	EXAMETNET-25	AR UA	CHAM AR	A										66	S	S	LICHTENSTEIN,L.E.	
R6711-1501	1557	EXAMETNET-26	AR UA	CHAM AR	A										N/A	S	S	LICHTENSTEIN,L.E.	
R6712-1304	1355	EXAMETNET-27	AR UA	CHAM AR	A										69	S	S	LICHTENSTEIN,L.E.	
R6801-1701	1725	EXAMETNET-28	AR	CHAM AR	A										71	S	S	LICHTENSTEIN,L.E.	
R6802-1401	1333	EXAMETNET-29	AR	CHAM AR	A										70	S	S	LICHTENSTEIN,L.E.	
R6803-1301	1528	EXAMETNET-30	AR	CHAM AR	Y										74	S	S	LICHTENSTEIN,L.E.	
R6803-2002	1500	EXAMETNET-31	AR	CHAM AR	A										72	S	S	LICHTENSTEIN,L.E.	
R6803-2703	1558	EXAMETNET-32	AR	CHAM AR	Y										75	S	S	LICHTENSTEIN,L.E.	
R6804-0302	1339	EXAMETNET-33	AR	CHAM AR	A										70	S	S	LICHTENSTEIN,L.E.	
R6804-1001	0210	EXAMETNET-34	AR	CHAM AR	Y										75	S	S	LICHTENSTEIN,L.E.	
R6804-1702	1626	EXAMETNET-35	AR	CHAM AR	A										72	S	S	LICHTENSTEIN,L.E.	
R6805-1503	1955	EXAMETNET-36	AR	MARC AR	A										68	S	S	LICHTENSTEIN,L.E.	
R6805-2901	1730	EXAMETNET-37	AR	MARC AR	A										71	S	S	LICHTENSTEIN,L.E.	
R6806-1301	1820	EXAMETNET-38	AR	MARC AR	Y										62	S	S	LICHTENSTEIN,L.E.	
R6806-2603	1650	EXAMETNET-39	AR	MARC AR	A										69	S	S	LICHTENSTEIN,L.E.	
R6807-1601	0145	EXAMETNET-40	AR	MARC AR	Y										56	S	S	LICHTENSTEIN,L.E.	
R6807-3104	2228	EXAMETNET-41	AR	MARC AR	A										65	S	S	LICHTENSTEIN,L.E.	
R6808-1401	2328	EXAMETNET-42	AR	MARC AR	Y										48	S	S	LICHTENSTEIN,L.E.	
R6808-2801	2240	EXAMETNET-43	AR	CHAM AR	A										68	S	S	LICHTENSTEIN,L.E.	
R6708-3001	1700	ION 1/67	AR	CHAM AR											222	S	S	DE RAGONE,A.H. RADICELLA,S.	
R6708-3002	1737	ION 1/67	AR	CHAM AR											225	S	S	DE RAGONE,A.H. RADICELLA,S.	
R6708-3004	1732	ION 1/67	AR	CHAM AR											225	S	S	DE RAGONE,A.H. ADICELLA,S.	
R6605-1803	1842	M-E5	AR	CHAM AR	A										66	S	S	LICHTENSTEIN,L.E.	
R6605-1804	2022	N.101449	AR	CHAM AR	V										N/A	S	S	LICHTENSTEIN,L.E.	
R7005-0301	1245	ORION II	AR	MRDP AR											90	S	S	SANTOCHI,O. MANZANO,J.R. SIMERMAN,M.	
R6712-1401	2300	ORION RAD 1/67	AR	CHAM AR											35	S	S	CHIELMETTI,H.	
R5712-1601	1458	ORION RAD 2/67	AR	CHAM AR											70	S	S	CHIELMETTI,H.	
R6607-1404	1517	P-462	AR	CHAM AR											N/A	S	S	LICHTENSTEIN,L.E.	
R6607-1402	0118	P-467	AR	CHAM AR											N/A	S	S	LICHTENSTEIN,L.E.	
R7108-0801	1212		AS FP NO	ANDA NO											100	S	S	FOLKESTAD,K. JOHANNESSEN,A. KRANKOWSKY,D. RIEDLER,W.W. SKOVL,I.G. THRANE,E.	

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

02/02/72

NSSCC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0					
R5711-1301	1222		AU UK	WCCM AU	Z											69	S	S	SHEPPARD, P.
R6505-2502			AU	WCCM AU	V											110	S	S	CODK, C. L. DRUMMOND, L. J. SHEPPARD, L. M. UNKNOWN
R6704-2002	2236		AU	WCCM AU												N/A			UNKNOWN
R5812-0401	0113	AL 1	AU	WCCM AU	A											78	S	S	UNKNOWN
R6003-2301	1120	AL 5	AU	WCCM AU	A											81	S	S	UNKNOWN
R6512-0902	1335	HAD	AU	WCCM AU												85	S	S	CARVER, J. H. HOT, J. N. B. H. BUTLER, F. G. UNKNOWN
R6112-1401	1029	HAD 103	AU	WCCM AU	Y											130	S	S	UNKNOWN
R6203-2902	0528	HAD 105	AU	WCCM AU	Y											125	S	S	UNKNOWN
R6208-2701	0908	HAD 107	AU	WCCM AU	Y											114	S	S	UNKNOWN
R6206-2601	0838	HAD 108	AU	WCCM AU	Y											116	S	S	UNKNOWN
R6210-2401	0946	HAD 111	AU	WCCM AU												133	S	S	UNKNOWN
R6211-2703	1017	HAD 112	AU	WCCM AU	Y											113	S	S	UNKNOWN
R6212-0405	1028	HAD 113	AU	WCCM AU	Y											113	P	F	UNKNOWN
R6301-3001	1032	HAD 115	AU	WCCM AU	Y											94	F	S	UNKNOWN
R6303-1201	0950	HAD 116	AU	WCCM AU	Y											124	S	S	UNKNOWN
R6303-2101	0930	HAD 118	AU	WCCM AU	Y											133	S	S	UNKNOWN
R6312-1202	1906	HAD 122	AU	WCCM AU	Y											N/A	S	S	UNKNOWN
R6402-1202	0946	HAD 124	AU UK	WCCM AU	Y											75	P	S	UNKNOWN
R6405-1401	0837	HAD 126	AU UK	WCCM AU	Y											88	P	P	UNKNOWN
R6403-0401	0953	HAD 127	AU UK	WCCM AU	Y											111	S	S	UNKNOWN
R6406-1101	0831	HAD 128	AU UK	WCCM AU	Y											113	S	S	UNKNOWN
R6407-1402	0832	HAD 129	AU UK	WCCM AU	Y											121	S	S	UNKNOWN
R6407-1401	0834	HAD 130	AU UK	WCCM AU	Y											122	S	S	UNKNOWN
R6407-1403	0300	HAD 131	AU UK	WCCM AU	Y											122	S	S	UNKNOWN
R6407-1508	0219	HAD 133	AU UK	WCCM AU	Y											106	S	S	UNKNOWN
R6407-1602	0213	HAD 134	AU UK	WCCM AU	Y											106	S	S	UNKNOWN
R6408-2001	0902	HAD 135	AU UK	WCCM AU	Y											119	S	P	UNKNOWN
R6407-1603	0530	HAD 136	AU UK	CARN AU	Y											114	S	S	UNKNOWN
R6407-1701	0515	HAD 137	AU UK	CARN AU	Y											120	S	S	UNKNOWN
R6410-2201	1103	HAD 140	AU	CARN AU	Y											N/A	S	S	UNKNOWN
R6407-0902	0839	HAD 141	AU UK	WCCM AU	Y											111	S	S	UNKNOWN

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					1	2	3	4	5	6	7	8	9	0					
R6409-1701	0917	HAD 144	AU	Woom AU	Y											99	S	S	UNKNOWN
R6411-1105	0959	HAD 145	AU	Woom AU	A											N/A	S	S	UNKNOWN
R6410-1401	0936	HAD 146	AU	Woom AU	Y											102	S	S	UNKNOWN
R6410-2102	2112	HAD 148	AU	CARN AU	A											N/A	S	S	UNKNOWN
R6503-0203	0957	HAD 152	AU	Woom AU	Y											123	S	S	UNKNOWN
R6503-3002	0900	HAD 153	AU	Woom AU	Y											112	S	S	UNKNOWN
R6505-1006	2315	HAD 154	AU	Woom AU	Y											111	S	S	UNKNOWN
R6505-1101	0140	HAD 155	AU	Woom AU	Y											113	S	S	UNKNOWN
R6411-1205	1000	HAD 157	AU	Woom AU	Y											103	S	S	UNKNOWN
R6505-1004	1450	HAD 158	AU	Woom AU	Y											109	S	S	UNKNOWN
R6412-0801	1026	HAD 159	AU	Woom AU	Y											N/A	F	S	UNKNOWN
R6505-1102	0839	HAD 160	AU	Woom AU	Y											114	S	S	UNKNOWN
R6412-1001	1026	HAD 161	AU	Woom AU	Y											N/A	S	S	UNKNOWN
R6505-1003	1150	HAD 162	AU	Woom AU	Y											116	S	S	UNKNOWN
R6505-1002	0850	HAD 164	AU	Woom AU	Y											116	S	S	UNKNOWN
R6505-1001	0600	HAD 165	AU	Woom AU	Y											115	S	S	UNKNOWN
R6505-1005	1750	HAD 170	AU	Woom AU	Y											115	S	S	UNKNOWN
R6506-0901	0832	HAD 171	AU	Woom AU	Y											115	S	S	UNKNOWN
R6506-0801	0831	HAD 172	AU	Woom AU	Y											106	S	S	UNKNOWN
R6507-0702	0837	HAD 174	AU	Woom AU	Y											105	S	S	UNKNOWN
R6508-0301	0852	HAD 177	AU	Woom AU	Y											115	S	S	UNKNOWN
R6603-2201	0938	HAD 181	AU UK	Woom AU	Y											N/A	S	S	UNKNOWN
R6606-1502	0835	HAD 185	AU UK	Woom AU	Y											N/A	S	S	UNKNOWN
R6602-2301	1006	HAD 186	AU UK	Woom AU	Y											N/A	S	S	UNKNOWN
R6607-1904	0848	HAD 187	AU UK	Woom AU	Y											N/A	S	S	UNKNOWN
R6605-1701	0842	HAD 188	AU UK	Woom AU	Y											N/A	S	S	UNKNOWN
R6608-2301	0904	HAD 189	AU UK	Woom AU	Y											N/A	S	S	UNKNOWN
R6609-2701	0922	HAD 190	AU UK	Woom AU	Y											N/A	S	S	UNKNOWN
R6611-0101	0548	HAD 191	AU UK	Woom AU	Y											N/A	S	S	UNKNOWN
R6104-2401	0253	HAD 201	AU	Woom AU	F											58	S	S	UNKNOWN
R6312-0601	2340	HAD 301	AU	Woom AU												54	P	P	UNKNOWN
R6007-2802	1936	LT 12	AU	Woom AU	A											126	S	S	UNKNOWN
R6205-3101	0301	LT 14	AU	Woom AU	Y											125	S	F	UNKNOWN
R6008-2601	1100	SL-013	AU	Woom AU	E											70	S	S	UNKNOWN
R7101-2904	0825	SL-1001	AU UK	Woom AU												203	S	S	SANFORD, P. W. CRUISE, A. M. FABIAN, A. C.

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					1	2	3	4	5	6	7	8	9	0				
R7010-1405	0645	SL-1021	AU UK	WCOM AU							B				270	S	S	WILLMORE, A. F. CRUISE, A. M.
R6403-1205	0237	SL-128	AU	WCOM AU			B								170	S	S	UNKNOWN
R6503-1703	1808	SL-140	AU	WCOM AU			C			D					N/A	F	F	UNKNOWN
R6610-2504	0906	SL-321	AU UK	WCOM AU		X									211	S	S	WILSON, R.
R6610-2505	1111	SL-322	AU UK	WCOM AU		X									119	S	S	WILSON, R.
R6610-2702	1025	SL-323	AU UK	WCOM AU		X									212	S	S	WILSON, R.
R6610-2703	1335	SL-324	AU UK	WCOM AU		X									N/A	S	S	WILSON, R.
R6610-2701	0647	SL-3245	AU UK	WCOM AU		X									173	S	S	WILSON, R.
R6606-0201	0834	SL-327	AU UK	WCOM AU		X	X								176	S	S	STEWART, K. WILLIAMS, E.
R6606-0901	0833	SL-328	AU UK	WCOM AU		X	X								184	S	S	STEWART, K. WILLIAMS, E.
R6504-3004	2040	SL-362	AU	WCOM AU		Z									175	S	F	UNKNOWN
R6612-0801	1457	SL-405	AU UK	WCOM AU						X					N/A	S	S	WILSON, R. POUNDS, K. A.
R6605-3102	1919	SL-422	AU UK	WCOM AU			X	X	X						161	S	S	KAISER, T. R. SAMIR, U.
R6504-2901	1426	SL-461	AU	WCOM AU		Z									124	S	S	UNKNOWN
R6504-3003	1706	SL-463	AU	WCOM AU		Z									135	S	S	UNKNOWN
R7011-2404	2243	SL-804	AU UK	WCOM AU							B				182	S	F	EVANS, K. D. PARKINSON, J. H.
R7105-1001	1203	SL-812	AU UK	WCOM AU							F				219	S	S	ADAMS, D. J.
R7011-1902	2200	SL-904	AU UK	WCOM AU							F		D		209	S	S	JANES, A. F. BARNES, M. B.
R7011-1102	0455	SL-905	AU UK	WCOM AU			C				F				183	S	P	SANFORD, P. W. NEWTON, A. C. CRUISE, A. M.
R7103-0201	1038	SL-922	AU UK	WCOM AU				B							223	S	P	REES, D. BRENN, G. L. BURROWS, K.
R7010-0804	0820	SL-972	AU UK	WCOM AU							F				232	S	S	COOKE, B. A.
R6611-1910	2342	CE-021	BL ES NE SW	KIRA SW						X	X				125	S	F	DE JAGER, C. MONFILS, A.
R6903-1504	2231	ESROC52/001	BL	KIRA SW		B									136	S	S	MONFILS, A.
R6910-1003	2001	ESROC52/002	BL	KIRA SW		B									135	S	S	MONFILS, A.
R7101-2702	2302	ESFOC78/001	BL FP NE	KIRA SW		B		C	D						140	S	S	MONFILS, A. RAWER, K. PAGE, D. E.

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					1	2	3	4	5	6	7	8	9	0	R		E		
R6907-0501	1945	ESR0538/001	BL	SARA IT												N/A	S	S	BREDOHL, H.
R6907-1102	1942	ESR0538/002	BL	SARA IT												203	S	S	BREDOHL, H.
R6907-0601	1950	ESR0564/001	BL	SARA IT												275	S	S	ACKERMAN, M.
R6907-1301	1941	ESR0564/002	BL	SARA IT												280	S	S	ACKERMAN, M.
R6611-0503	1455		BR UA	CASS BR												96	S	S	NARCISSI, R. S.
R6611-1214	1200		BR UA	CASS BR												250	S	S	UNKNOWN
R6611-1215	1338		BR UA	CASS BR												85	S	S	UNKNOWN
R6611-1216	1354		BR UA	CASS BR												115	S	S	UNKNOWN
R6611-1217	1429		BR UA	CASS BR												115	S	S	UNKNOWN
R6611-1218	1445		BR UA	CASS BR												250	S	S	UNKNOWN
R6611-1219	1450		BR UA	CASS BR												85	S	S	UNKNOWN
R6611-1220	1535		BR UA	CASS BR												85	S	S	UNKNOWN
R6601-1201	1400	04 CNAE 6601	BR	NATL BR												60	S	S	DE MENDONCA, F.
R6603-0203	1548	07 CNAE 6604	BR	NATL BR												60	P	P	DE MENDONCA, F. TEPPER, M.
R6603-1602	1500	08 CNAE 6605	BR	NATL BR												63	S	S	DE MENDONCA, F. TEPPER, M.
R6605-0205	0155	13 CNAE 6610	BR UA AR	NATL BR												52	S	S	MENDONCA, F. D. TEPPER, M.
R6605-1802	1550	14 CNAE 6611	BR UA AR	NATL BR												53	S	S	MENDONCA, F. D. TEPPER, M.
R6606-0101	1631	15 CNAE 6612	BR UA AR	NATL BR												55	S	S	MENDONCA, F. D. TEPPER, M.
R6611-1211	1455	D-004	BR UA	CASS BR												115	S	S	NARCISSI, R. S.
R6611-0501	1355	D-004C	BR	CASS BR												N/A			UNKNOWN
R6611-1212	1508	D-011	BR UA	CASS BR												115	S	S	UNKNOWN
R6611-1213	1522	D-013	BR UA	CASS BR												115	S	S	UNKNOWN
R6611-0502	1535	D-016C	BR	CASS BR												N/A			UNKNOWN
R5811-2401			CA	FTCR CA												N/A	F	F	UNKNOWN
R5811-3004			CA	FTCR CA												N/A	S	S	UNKNOWN

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					1	2	3	4	5	6	7	8	9	0					
R6306-1101	0506		CA	FTCR CA				A								135	S	S	HEIKKILA, V. J. A. MATHEWS, D. L.
R6310-1401	0534		CA	FTCR CA				B								145	S	S	HEIKKILA, W. J. A. MATHEWS, D. L.
R6405-0702	2031		CA	FTCR CA				D								139	S	S	HEIKKILA, W. J. A. MATHEWS, D. L.
R6612-1201	1906		CA	FTCR CA				A								155	S	S	UNKNOWN
R6612-1202	2020		CA PP	FTCR CA				B								155	S	S	UNKNOWN
R5811-3005	2227	0806.015	CA UA	FTCR CA				D								152	S	S	UNKNOWN
R6503-2403	0640	AA -2 -053	CA	FTCR CA				G	C		B					166	S	S	FORSYTH, P. KAVADAS, A. WILSON, B. ANGER, C.
R6503-2502	0534	AA -2 -060	CA	FTCR CA				C								155	S	S	WILSON, B. G. ANGER, C. MCDIARMID, I. B. KAVADIS, A. WLOCHOWICZ, R.
R6603-2703	0707	AA -2 -103	CA	FTCR CA				B			D					153	S	P	MCDIARMID, I. B. SHEPHERD, G. G. FORSYTH, P. A.
R6504-2201	0514	AA -3 -011	CA	FTCR CA				B	C							136	S	S	BUDZINSKI, E. E. MCDIARMID, I. B. MCNAMARA, A. G.
R6702-0402	0521	AAA-2 -101	CA	FTCR CA				B	C			A				183	S	S	WILSON, B. G. WLOCHOWICZ, R.
R6701-2204	1856	AAA-2 -102	CA	FTCR CA				B	C			A				N/A	S	S	JONES, V. MCNAMARA, A. G. WLOCHOWICZ, R.
R6701-2101	0638	AAA-2 -105	CA	FTCR CA				B	C	D		A				170	S	S	STANFORTH, A. WLOCHOWICZ, R. ANGER, C. D. WILSON, B. G.
R6611-1902	0010	AAD-2 -106	CA	FTCR CA				B	C		B	A				144	S	S	MCNAMARA, A. G. SHEPHERD, G. G. KAVADAS, A. WLOCHOWICZ, R.
R6909-1101	0107	AAD-2 -122	CA	FTCR CA				C	G	C		A				137	S	S	WHALEN, B. A. RYDER, P. WLOCHOWICZ, R. MCNAMARA, A. G.

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					1	2	3	4	5	6	7	8	9	0				
R6909-1201	0102	AAD-2 -123	CA	FTCR CA	C	G	C						A		138	S	S	RYDER, P. WLOCHOWICZ, R. MCNAMARA, A. BARRINGTON, R. E. BUDZINSKI, E. E. WHALEN, B. A.
R6903-0601	0614	AAD-4 -016	CA	FTCR CA				A	C						N/A	S	S	WHALEN, B. A. BARRINGTON, R. E. BUDZINSKI, E. E. SHEPHERD, G. G. MCWEN, D. J. WHALEN, B. A.
R7002-2401	0719	AAD-4 -023	CA UA	FTCR CA				A	D						N/A	S	S	BARRINGTON, R. E. BUDZINSKI, E. E. SHEPHERD, G. G. MCWEN, D. J. WHALEN, B. A.
R6705-0402	0726	AAD-5B-010	CA	FTCR CA	B	G	C								354	S	S	WHALEN, B. A. WLOCHOWICZ, R. MCNAMARA, A. G. TENNYSON, R. C. ALEXANDER, W. M. SIMEK, M. ZACHAROV, V. LINDBLAD, B. A.
R7012-1401	1002	AAD-5B-030	CA UA CZ SW	FTCR CA				C					A		340	S	S	MCNAMARA, A. G. TENNYSON, R. C. ALEXANDER, W. M. SIMEK, M. ZACHAROV, V. LINDBLAD, B. A.
R6801-1901	0224	AAF-2 -1C8	CA	FTCR CA	X	X	X								142	S	S	BURBANK, P. MCNAMARA, A. G. WLOCHOWICZ, R. KAVADAS, A. WILSON, B. FORSYTH, P. A. MCWEN, D.
R6812-1303	0945	AAF-2 -125	CA	FTCR CA				C					A		143	S	S	LINDBLAD, B. A. MCNAMARA, A. G. TENNYSON, R. C. BUDZINSKI, E. E. MCNAMARA, A. G.
R6611-2902	0601	AAF-3 -012	CA	FTCR CA				X	X						114	S	S	MCNAMARA, A. G. MEYER, R. F. MCNAMARA, A. G.
R6608-2605	2030	AAF-3 -013	CA	FTCR CA									A		114	S	S	MCNAMARA, A. G.
R7003-0701	1740	AAF-3A-042	CA	EQUO CA				C			F				152	S	S	MCNAMARA, A. G. BELROSE, J. S. HALL, J. E.
R7003-0702	1855	AAF-3A-043	CA	EQUO CA				C			F				156	S	S	MCNAMARA, A. G. BELROSE, J. S. HALL, J. E.
R7003-0703	1857	AAF-3A-044	CA	EQUO CA				C			F				156	S	S	MCNAMARA, A. G. BELROSE, J. S. HALL, J. E.
R7003-0704	1903	AAF-3A-045	CA	EQUO CA				C			F				156	S	S	MCNAMARA, A. G. BELROSE, J. S. HALL, J. E.
R6911-0301	1028	AAF-3B-048	CA	RESB CA				B			B				N/A	F	S	WHALEN, B. A. ANGER, C. D. MCNAMARA, A. G.
R6911-0501	1118	AAF-3B-049	CA	RESB CA				B			B				200	S	S	WHALEN, B. A. ANGER, C. D. MCNAMARA, A. G.

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					1	2	3	4	5	6	7	8	9	0					
R6611-2901	0608	AAF-4 -005	CA	FTCR CA				X	X							800	S	S	MCNAMARA, A. G. BUDZINSKI, E. E.
R6804-0603	0245	AAF-4 -010	CA	FTCR CA				C	B							862	S	S	WILSON, B. G. MCNAMARA, A. G. FORSYTH, P. A.
R6901-1404	0525	AAF-4 -017	CA	FTCR CA				C		D						99	S	S	MCNAMARA, A. G. MCEWEN, D. FORSYTH, P. A. BUDZINSKI, E. E.
R6912-1501	0227	AAF-4 -020	CA	FTCR CA			E		C							N/A	S	S	WHALEN, B. A. SHEPHERD, G. G. MONTALBETTI, R.
R6612-1302	0837	AAF-5A-107	CA	FTCR CA			B		C					A		48	S	S	MCNAMARA, A. G. WILSON, B. G. ANGER, C. D. FORSYTH, P. A. WLOCHOWICZ, R.
R6803-2701	0440	AAF-5H-004	CA	FTCR CA			B		C	D		D		A		290	S	S	BUDZINSKI, E. E. JUDGE, R. J. MCEWEN, D. J. KAVADAS, A.
R6804-0303	1248	AAF-5B-005	CA	FTCR CA			B		C	D				A		316	S	S	BUDZINSKI, E. E. MCEWEN, D. J. KAVADAS, A.
R6903-1102	0333	AAF-5B-022	CA	FTCR CA			B		E		F					N/A	S	S	MCNAMARA, A. G. ANGER, C. D. FORSYTH, P. A. KAVADAS, A. MCEWEN, D. J. WLOCHOWICZ, R.
R7001-1401	0441	AAF-5B-029	CA	FTCR CA					C	D				A		125	S	S	MCNAMARA, A. G. FORSYTH, P. A. KAVADAS, A.
R7103-0303	0652	AAF-5B-032	CA	FTCR CA			B D		B C D	D						275	S	S	WHALEN, B. A. ANGER, C. D. CLOUTIER, G. G. BROOKS, D. VISENTIN, J. DE LEEUW, J. H. DAVIES, W. E. R. KAVADAS, A. KOEHLER, J. A. ROSTOKER, G. SHEPARD, G. G. FORSYTH, P. A. MCNAMARA, A. G. WLOCHOWICZ, R.
R6503-1907	0624	ADD -2 -052	CA UA	FTCR CA					C		B					168	S	S	UNKNOWN
R6409-1601	0758	ADD -2 -056	CA	FTCR CA					C							N/A	P	P	UNKNOWN

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					1	2	3	4	5	6	7	8	9	0					
R7101-1301	2010	ADD-2 -124	CA IN UR	FTCR CA	C	C	C						A		146	S	S	JONES, A. V. LLEWELLYN, E. J. RYDER, P. MILLER, D. E. MCNAMARA, A. G. WLOCHOWICZ, R. MCNAMARA, A. G. WHALEN, B. A. FORSYTH, P. A. KAVADAS, A. MCNAMARA, A. G. MCEWEN, D. J. ANGER, C. O. MCNAMARA, A. G. JUDGE, R. J. R. JONES, A. V. WLOCHOWICZ, R. MCEWEN, D. J. MCNAMARA, A. G. JUDGE, R. J. R. JONES, A. V. WLOCHOWICZ, R. KAVADAS, A. MCNAMARA, A. G. MCEWEN, D. J. HAERENDEL, I. MOZER, F. S. FAHLESON, U. V. KAVADAS, A. MCNAMARA, A. G. WLOCHOWICZ, R. FORSYTH, P. A. MCEWEN, D. J. JONES, A. V. LLEWELLYN, E. J. JONES, A. V. LLEWELLYN, E. J. MCNAMARA, A. G. WHALEN, B. A. VOGAN, E. L. WILSON, B. G. MCNAMARA, A. G. WHALEN, B. A. WHALEN, B. A. ANGER, C. MCNAMARA, A. G. WHALEN, B. A. ANGER, C. MCNAMARA, A. G.	
R6801-2204	0340	ADD-5B-011	CA	FTCR CA	B	C	D								N/A	P	S		
R6808-0204	0619	ADD-5B-018	CA	FTCR CA	V	B		B							277	S	S		
R6904-0101	0438	ADD-5B-023	CA	FTCR CA	B										372	S	S		
R7101-2202	0444	ADD-5B-024	CA UA	FTCR CA	B	C	D					A			375	S	S		
R7008-1701	0356	ADD-5B-031	CA	FTCR CA		B	C	F							260	S	S		
R6901-2302	0558	ADD-5B-109	CA UA	FTCR CA	E	B				X					150	S	S		
R6707-1201	0023	ADF-3 -024	CA	FTCR CA							B				95	S	S		
R6707-1202	1100	ADF-3 -025	CA	FTCR CA							B				95	S	S		
R6904-1201	1900	ADF-3 -029	CA UA	FTCR CA			A	C							26	S	S		
R6810-3101	2056	ADF-3 -031	CA	FTCR CA	A	A	C								140	S	S		
R6811-1903	0429	ADF-3 -032	CA	FTCR CA		C	D								288	S	S		
R6811-0101	0331	ADF-3 -033	CA	FTCR CA	A	A	D	C							138	S	S		

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NSSCC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0					
R6903-2902	0400	ADF-3 -037	CA	FTCR CA	B											108	S	S	JONES, A. V. LLEWELLYN, E. J.
R6903-2901	1158	ADF-3 -038	CA	FTCR CA	B											114	S	S	JONES, A. V. LLEWELLYN, E. J.
R6503-1702	2113	AE -2 -024	CA UA	FTCR CA	Y											153	S	S	GRENO, R. H.
R6901-2801	0716	AEF-2 -118	CA	FTCR CA	C F											149	S	S	MCNAMARA, A. G. FORSYTH, P. SCHIFF, H.
R7004-2201	0811	AEF-2 -121	CA	FTCR CA	G C C A C E A C										75	P	P	DELEEUW, J. H. HAASZ, A. CHIN, P.	
R6709-2801	1635	AFF-5A-119	CA	FTCR CA										A	N/A	S	S	WLOCHOWICZ, R.	
R6710-0503	0411	AFF-5A-120	CA	FTCR CA										A	118	S	S	WLOCHOWICZ, R. MCNAMARA, A. G. BULLOCK, W. R.	
R6704-2601	0415	AFF-5B-006	CA	FTCR CA				C	D					A	396	S	S	MCNAMARA, A. G. BULLOCK, W. R.	
R6704-2701	0410	AFF-5B-007	CA	EGLN UA				C	D					A	398	S	S	MCNAMARA, A. G. BULLOCK, W. R.	
R6905-0101	2000	AHF-4 -014	CA	FTCR CA				C D E D E							760	S	S	BARRINGTON, R. E. MCNAMARA, A. G. LYON, G. F.	
R6905-0701	1400	AHF-4 -015	CA	FTCR CA				C D E D E							820	S	S	MCNAMARA, A. G. SHEPHERD, G. G. LYON, G. F.	
R6603-3001	0419	AK -1 -004	CA	FTCR CA	B			C D E							154	S	S	ANGER, C. D. MCNAMARA, A. G. WILSON, B. G.	
R6409-0901	0542	AK -2 -059	CA	FTCR CA				C E E							N/A	F	F	UNKNOWN	
R6804-1801	0542	AKD-2 -110	CA	FTCR CA	B	G	C E								152	S	S	WHALEN, B. A. SHEPHERD, G. G. MCNAMARA, A. G.	
R6801-3001	0507	AKD-2 -111	CA UA	FTCR CA	C			E B C							161	S	S	ANGER, C. D. MCNAMARA, A. G. WHALEN, B. A. FORSYTH, P. A. MCNEN, D. J.	
R6804-1802	0514	AKD-2 -112	CA	FTCR CA	B	G	C E								155	S	S	SCHIFF, H. I. SHEPHERD, G. G. MCNAMARA, A. G.	
R6804-1601	0358	AKD-2 -113	CA	FTCR CA	B	G	C E								155	S	S	SCHIFF, H. I. SHEPHERD, G. G. MCNAMARA, A. G.	

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					1	2	3	4	5	6	7	8	9	0				
R6903-1002	0440	AKD-SB-020	CA	FTCR CA	B	E	F								N/A	S	S	MCNAMARA, A. G. WHALEN, B. FORSYTH, P. A. MCEWEN, O. OUTIER, G. ANGER, C. D.
R6812-1801	1138	AKD-SB-021	CA	FTCR CA	B	C	E								363	S	S	MCEWEN, D. J. MCNAMARA, A. G. WHALEN, B. A.
R7101-2106	0232	AKD-SB-027	CA	FTCR CA	B	C	D	A							245	S	S	BROOKS, D. CLOUTIER, G. G. KAY, S. A. WHALEN, B. A. MCNAMARA, A. G. ANGER, C. D.
R6607-2101	0327	AKF-3 -015	CA	RESB CA			C	A							150	S	S	WILSON, B. G. MCNAMARA, A. G.
R6607-1902	0500	AKF-3 -016	CA	RESB CA			C		F						150	S	S	WILSON, B. G. MCNAMARA, A. G.
R6710-2001	1049	AKF-3 -026	CA	RESB CA			C								N/A	F	F	MCNAMARA, A. G.
R6710-2202	0542	AKF-3 -027	CA	RESB CA			C		F						95	S	S	MCNAMARA, A. G. BOURNE, I. A.
R6810-0901	0320	AKF-3 -036	CA	RESB CA			C	B	F						N/A	S	S	BELROSE, J. S. MCNAMARA, A. G.
R6810-0801	0507	AKF-3 -040	CA	RESB CA			C	B	F						153	S	S	BELROSE, J. S. MCNAMARA, A. G.
R6910-2501	0600	AKF-3B-050	CA	RESB CA			C		B						192	S	S	WILSON, B. G. HARRISON, A. W. SHUKLA, P. G.
R6910-2601	0640	AKF-3B-051	CA	RESB CA			C		B						197	S	S	WILSON, B. G. HARRISON, A. W. SHUKLA, P. G.
R7012-0701	2134	AKF-4 -019	CA	FTCR CA			C			F					770	S	S	HARRISON, A. W. WILSON, B. G.
R7102-2002	0323	AKF-4A-018	CA	FTCR CA	B	C	D								760	S	S	ANGER, C. D. WHALEN, B. A. MCNAMARA, A. G.
R7102-0501	2246	AKF-4B-024	CA	FTCR CA	B	C				A					734	S	S	HARRISON, A. W. BARRINGTON, R. E. WLOCHOWICZ, P.
R7101-2601	1723	AMD-SB-026	CA UA	FTCR CA			C				C				280	S	P	SHEPHERD, G. G. BROOKS, D. CLOUTIER, G. G. MCNAMARA, A. G.
R7103-2001	0324	AMD-SB-115	CA	FTCR CA	B	C						X			151	S	S	HAYS, P. B. NICHOLLS, R. W. MCEWEN, D. J. MCNAMARA, A. G. WLOCHOWICZ, R.
R6803-0701	2236	AMD-S2-005	CA	FTCR CA			G								68	S	S	SCHIFF, H. I.

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					1	2	3	4	5	6	7	8	9	0		R	E		
R6804-3002	1100	AMD-S2-006	CA	FTCR CA			G	B						58	S	S	SCHIFF, H. I.		
R6804-2902	0300	AMD-S2-007	CA	FTCR CA			G	B						72	S	S	SCHIFF, H. I.		
R6804-2903	2304	AMD-S2-008	CA	FTCR CA			G	B						74	S	S	SCHIFF, H. I.		
R7004-2401	0052	AMD-S2-025	CA	FTCR CA		B	D							288	S	S	SHEPHERD, G. G. CLOUTIER, G. G. MCNAMARA, A. G.		
							E												
R6804-2302	0447	AMF-2 -115	CA	FTCR CA		B	G	C		D				337	S	S	SCHIFF, H. I. MCEWEN, D. J. MCNAMARA, A. G.		
								E											
R6902-1901	0417	AMF-2 -117	CA	FTCR CA		B		C						124	S	S	MCEWEN, D. J. MCNAMARA, A. G. SCHIFF, H. I. NICHOLLS, R. W.		
R6912-0302	2312	AMF-3 -046	CA	FTCR CA			G							120	S	S	SCHIFF, H. I. MEGILL, R. L.		
R6912-0301	1001	AMF-3 -047	CA	FTCR CA			G							120	S	P	SCHIFF, H. I. MEGILL, R. L.		
R6904-1901	0010	AMM-BA-001	CA	FTCR CA				C						104	S	S	SCHIFF, H. I. MEGILL, L. R.		
R6904-1902	0117	AMM-BA-002	CA	FTCR CA				C						103	P	P	SCHIFF, H. I. MEGILL, L. R.		
R6904-1903	0409	AMM-BA-003	CA	FTCR CA				C						55	P	P	SCHIFF, H. I. MEGILL, L. R.		
R7011-1301	2127	AMM-S2-009	CA	FTCR CA			G							98	S	F	SCHIFF, H. I. MEGILL, L. R. THOMAS, R. J.		
R7102-2801	0753	AND-3 -041	CA	FTCR CA		E								152	S	S	GUSH, H.		
R6704-0403	0522	NASA 8.39 GI	CA UA	FTCR CA				X						798	S	S	HEIKKILA, W. J. BARRINGTON, R. E.		
R5801-2601	0419	NN 3.03 F	CA	FTCR CA		E			X		D			180	S	S	UNKNOWN		
											F								
R5803-1601	0454	NN 3.04 F	CA	FTCR CA		E			X		D			144	S	S	UNKNOWN		
											F								
R5611-1101	1700	NN 03.12 F	CA	FTCR CA			B							N/A	S	S	LAGOW, H. E. AINSWORTH, J. E. FOX, D. F.		
							C												
							F												
							A												
R6902-2501	1421		DE NE UK IL	ANDA NO					X	X	X			86	S	S	PETERS, B. DE JAGER, C. RIELDER, W. W.		
R6904-1301	0843		DE NE UK IL	ANDA NO					X	X	X			51	S	S	WESTERLUND, L. H. PETERS, B. DE JAGER, C. WILLMORE, A. P.		
R6904-1303	1040		DE NE UK IL	ANDA NO					X	X	X			66	S	S	WESTERLUND, L. H. PETERS, B. DE JAGER, C. WILLMORE, A. P.		

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					1	2	3	4	5	6	7	8	9	0				
R6904-1401	1711		DE NE UK IL	ANDA NO		X	X	X							58	S	S	WESTERLUND, L.H. PETERS, B. DE JAGER, C. WILLMORE, A.P.
R6904-1402	2000		DE NE UK IL	ANDA NO		X	X	X							56	S	S	WESTERLUND, L.H. PETERS, B. DE JAGER, C. WILLMORE, A.P.
R6605-2009	0838	AE-002	DE ES GR UK	KORO GR		X									N/A		F	BOYD, R.L.F. PETERSEN, O.E. RATCLIFFE, J.A.
R6603-0902	2230	CE-012	DE ES FP UK	ANDA NO	X	X									95	S	S	RAWER, K. BOYD, R.L.F. DALZIEL, R. PETERSEN, O.E.
R6605-2013	0941	ESRD-A04	DE ES GR UK	KORO GR		X									102	S	S	BOYD, R.L.F. PETERSEN, O.E. RATCLIFFE, J.A.
R6605-2015	1040	ESRD-A06	DE ES GR UK	KORO GR		X									103	S	S	BOYD, R.L.F. PETERSEN, O.E. RATCLIFFE, J.A.
R7002-2403	1910	ESRD570/C01	DE UK SW	KIRA SW		A		A							186	S	S	UNGSTRUP, E. BURROWS, K. SAYERS, J.
R6605-1503	0951	AE-001	ES DE GR UK	KARY GR		X									110	S	S	BOYD, R.L.F. PETERSEN, O.E. RATCLIFFE, J.A.
R6605-1502	0503	CE-005	ES GR NE UK	KARY GR					X						140	S	S	DE JAGER, C. STEWARTSON, E.A. BOYD, R.L.F.
R6611-3004	2204	CE-007	ES DE FP UK	WALI UA						X					145	S	S	RAWER, K. BOYD, R.L.F. PETERSEN, O.E.
R6611-2904	0106	CE-008	ES FP SW UK	KIRA SW		X									147	S	S	RAWER, K. BOYD, R.L.F. PETERSEN, O.E.
R6603-1002	2230	CE-011	ES FP DE UK	ANDA NO	X	X									115	S	S	RAWER, K. BOYD, R.L.F. DALZIEL, R. PETERSEN, O.E.

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					1	2	3	4	5	6	7	8	9	0					
R6602-1101	0130	CE-015	ES DE NO UK	ANDA NO				X								N/A	S	S	BOYD,R.L.F. KAISER,T.R. PETERSEN,O.E.
R6602-0501	2320	CE-016	ES DE NO UK	ANDA NO				X								120	S	S	BOYD,R.L.F. PETERSEN,O.E. KAISER,T.R.
R6605-2012	0930	CE-019	ES FP NE UK	KARY GR				X	X							118	S	S	DE JAGER,C. BOYD,R.L.F. LUST,R.
R6605-2010	0901	ESRO-A03	ES DE GR UK	KARY GR				X								99	S	S	BOYD,R.L.F. PETERSEN,O.E. RATCLIFFE,J.A.
R6605-2014	1010	ESRO-A05	ES DE GR UK	KORO GR				X								7	S	S	BOYD,R.L.F. PETERSEN,O.E. RATCLIFFE,J.A.
R6607-2002	1701	ESRO-B02	ES IT	SARA IT					X	X						65	S	S	OCCHIALINI,G.
R6605-2017	1140	ESRO-C20	ES FP NE UK	KORO GR				X								114	S	S	DE JAGER,C. BOYD,R.L.F. LUST,R.
R6606-2802	0253	ISRC-SK-008	ES FP IT UK	SARA IT				V								228	S	S	LUST,R. FRITH,R.
R6611-2601	1911	ISRC-SK-016	ES IT UK	SARA IT						X						3	S	S	BUTLER,H.E.
R6710-2301	1605		FP	KIRA SW				X	X							235	S	S	NEUSS,H.
R6712-0504	2035		FP	KIRA SW				X		X						206	S	S	PIEPER,G.F. KEPPLER,E.
R6802-1301	1556		FP	AREN SP				X	X							86	S	S	UNKNOWN
R6802-1601	1058		FP	AREN SP				X	X							N/A	F	F	UNKNOWN
R6802-1702	1154		FP	AREN SP				X	X							81	S	S	UNKNOWN
R6803-2007	1823		FP	KIRA SW				X								207	S	S	HAERENDEL,G.
R6803-2303	1636		FP	KIRA SW				X								211	S	S	UMLAFT,
R6803-2802	1355		FP UA	THUM IN				X								211	S	S	UNKNOWN
R6803-3003	1355		FP UA	THUM IN				X								205	S	S	NEUSS,H.
R6803-3101	0037		FP UA	THUM IN				X								211	S	S	MELZNER,F.
R6803-3102	1245		FP UA	THUM IN				X								160	S	S	UNKNOWN
R6804-2304	1118		FP	AREN SP				X	X							N/A	F	F	UNKNOWN

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					1	2	3	4	5	6	7	8	9	0		R	E	
R6804-2402	1029		FP	AREN SP		X	X								85	S	S	UNKNOWN
R6804-2403	1237		FP	AREN SP		X	X								82	S	S	UNKNOWN
R6808-0106	2020		FP CA	FTCR CA	X	X									380	S	S	NEUSS,H.
R6811-0602	1122		FP	AREN SP		X	X								93	S	S	UNKNOWN
R6811-0802	1106		FP	AREN SP		X	X								N/A	S	S	UNKNOWN
R6811-1301	1146		FP	AREN SP		X	X								90	S	S	UNKNOWN
R6811-1502	1158		FP	AREN SP		X	X								90	S	S	UNKNOWN
R6811-1801	1051		FP	AREN SP		X	X								95	S	S	UNKNOWN
R6811-1906	0139		FP	KIRA SW			X	X							167	S	S	HEINRICH, REIMER,
R6811-2003	1445		FP	AREN SP		X	X								N/A	F	F	SPENNER,K.
R6811-2205	1043		FP	AREN SP		X	X								95	S	S	UNKNOWN
R6811-2502	1101		FP	AREN SP		X	X								91	S	S	UNKNOWN
R6811-2702	1502		FP	AREN SP		X	X								95	S	S	UNKNOWN
R6811-2703	0130		FP	ANDA NO	X	G									N/A	F	F	KISSEL,J. LAMMERZAHLE,P. WIEDER,H.
R6811-2901	1121		FP	AREN SP		X	X								91	S	S	UNKNOWN
R6812-0301	1930		FP	NATL BR			G								700	S	S	VON-ZAHN,U.
R6812-0303	2159		FP	KIRA SW			X	X							166	S	S	HEINRICH,
R6812-0403	2227		FP	KIRA SW			X	X							170	S	S	REIMER, SPENNER,K.
R6812-0404	1751		FP	NATL BR		X									N/A	F	F	TRINKS,
R6812-0405	1812		FP	FTCR CA		X									N/A	F	F	OFFERMANN,D.
R6812-0406	1506		FP	FTCR CA		X									158	S	S	GROSS,
R6903-1601	1605		FP	KIRA SW		X	X								233	S	S	HABLICK, KAPPLER, GIESE,
R6912-0901	1200		FP	AREN SP		X	X								N/A	F	F	ROSE,G. WIDDEL,H.U.
R6912-0902	1449		FP	AREN SP		X	X								100	S	S	ROSE,G. WIDDEL,H.U.
R6912-1002	1154		FP	AREN SP		X	X								95	S	S	ROSE,G. WIDDEL,H.U.
R6912-1101	1202		FP	AREN SP		X	X								100	S	S	ROSE,G. WIDDEL,H.U.
R6912-1203	1210		FP	AREN SP		X	X								N/A	F	F	ROSE,G. WIDDEL,H.U.
R6912-1204	1200		FP	AREN SP		X	X								N/A	F	F	ROSE,G. WIDDEL,H.U.
R6912-1303	1158		FP	AREN SP		X	X								N/A			ROSE,G. WIDDEL,H.U.
R6912-1402	1156		FP	AREN SP		X	X								N/A			ROSE,G. WIDDEL,H.U.
R6912-1602	1156		FP	AREN SP		X	X								N/A			ROSE,G. WIDDEL,H.U.

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					1	2	3	4	5	6	7	8	9	0	R		E		
R6912-1703	1150		FP	AREN SP			X	X							N/A	F	F	ROSE,G. WIDDEL,H.U.	
R6912-1801	1158		FP	AREN SP			X	X							N/A			ROSE,G. WIDDEL,H.U.	
R6912-1802	1250		FP	AREN SP			X	X							N/A			ROSE,G. WIDDEL,H.U.	
R7002-0201	2307		FP	ANDA NO		X	X	X							202	S	S	BERAN, HEINRICH.	
R7002-1401	0502		FP	ANDA NO		X	X	X							223	S	S	RAETHJEN, BERAN, HEINRICH.	
R7002-1402	0326		FP	ANDA NO		X	X	X							210	S	S	LANDSDEGER, BERAN, HEINRICH.	
R7003-0601	0213		FP	ANDA NO		X	X	X							217	S	S	BERAN, BOHM, HEINRICH.	
R7003-0802	0203		FP	ANDA NO		X	X	X							161	S	S	BERAN, BOHM, HEINRICH.	
R6708-0301	0736	BLACK BRANT VB	FP	FTCR CA			X	X							380	S	S	RIEGER,E.	
R6708-0503	0404	BLACK BRANT VB	FP	FTCR CA			X	X							380	S	S	RIEGER,E.	
R6805-2202	1729	CE-031	FP	SARA IT					B	F					N/A	S	S	OSTER,A. DEJAGER,C. ZHRINGER,J.	
R6805-0801	1147	CE-046	FP	SARA IT				X							53	S	S	DE JAEGER,C. ZHRINGER,J.	
R6805-1502	1224	CE-047	FP	SARA IT				X							805	S	S	DIEMINGER,W.E.	
R6611-3003		ESROC09/001	FP	KIRA SW				C							N/A	S	S	UNKNOWN	
R6611-2903		ESROC09/011	FP	KIRA SW				C							N/A	S	S	UNKNOWN	
R7002-2301	1650	ESROC37/001	FP	KIRA SW			V	C							210	S	S	RIEGER,E. MELZNER,F.	
R7101-1702	1448	ESROC37/002	FP	KIRA SW			V	C							215	S	S	RIEGER,E. MELZNER,F.	
R6904-1405	1815	ESROC39/001	FP SW	KIRA SW				C	D						5	S	S	RAWER,K. HULTQVIST,B. ZHRINGER,J.	
R6904-1502	1103	ESROC39/002	FP SW	KIRA SW				C	D						134	S	S	RAWER,K. HULTQVIST,B. ZHRINGER,J.	
R6908-1401	0201	ESROC58/001	FP FR SW	KIRA SW			K	D		A					112	S	S	ZHRINGER,J. FECHTIG,H. RAUSER,P. ROSSLER,F. LINDBLAD,B.A.	

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SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

02/02/72

NSSC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS										APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0				
R7008-0901	2340	ESROC58/002	FP	KIRA SW	K	D						A		114	S	S	KRANKOWSKY,D. FECHTIG,K. RAHER,K. ROSSLER,F. LINDBLAD,B.A.	
R7101-2501	1238	ESROC60/001	FP	KIRA SW							B			175	S	S	WITTE,M.	
R7101-2602	1050	ESROC60/002	FP	KIRA SW							B			167	S	S	WITTE,M.	
R6911-2701	0529	ESROC62/001	FP SW	KIRA SW							D			160	S	S	WILHELM,K. RAHER,K. HULTQVIST,B.	
R6911-2702	0631	ESROC62/002	FP SW	KIRA SW							D			164	S	S	WILHELM,K. RAHER,K. HULTQVIST,B.	
R7004-0402	1912	ESROS28/001	FP UK	KIRA SW				V	C					203	S	S	HAERENDEL,G. BYRNE,F.N. SAYERS,J.	
R6903-1503	2045	ESROS43/002	FP BL SW UK	KIRA SW			B	C	D					211	S	S	RAHER,K. MONFELS,A. HULTQVIST,B. SAYERS,J.	
R7002-0601	1942	ESROS44/001	FP	SARA IT								E		211	S	S	HESSBERG,N.	
R6911-1001	2100	ESROS46/001	FP SW UK	KIRA SW				C	D					214	S	S	UNGER,L. REME,H. GIBBONS,W.	
R7101-2804	1833	ESROS46/002	FP FR UK	KIRA SW				C	D					218	S	S	UNGER,L. REME,H. GIBBONS,W.	
R7103-1101	0856	ESROS55/	FP UK	SARA IT							F	F		159	S	S	BRAUNIGER,H. GRIFFITHS,R.	
R6903-1501	1755	K-NA-11	FP	KIRA SW				X						226	S	S	HAERENDEL,G.	
R6903-1701	1810	K-NA-18	FP	KIRA SW				X						231	S	S	HAERENDEL,G.	
R7101-1701	1533	NIKE-TOMAHAWK	FP	ANDA NO				C		B				328	S	S	HAERENDEL,G. MELZNER,F.	
R7101-2801	1555	NIKE-TOMAHAWK	FP UK	ANDA NO				B		B				276	S	S	BURROWS,K. HAERENDEL,G. MELZNER,F. REES,D.	
R6703-2401	0555	VA-86	FP	HAMM AL				X	X					366	S	S	RAHER,K.	
R6703-2901	0625	VA-87	FP	HAMM AL				X	X					306	S	S	RAHER,K.	
R6608-1702	0339	VB-08	FP	FTCR CA			B							365	S	S	NEUSS,H.	
R6608-1901	0944	VB-09	FP	FTCR CA			B							365	S	S	NEUSS,H.	
R5903-1001	1848		FR	HAMM AL				V						100	S	S	UNKNOWN	
R5903-1201	0544		FR	HAMM AL				V						100	S	S	UNKNOWN	
R6205-2902			FR	IDLF FR				V						N/A	S	S	BLAMONT,J.E.	
R6305-2107			FR	IDLF FR				V						N/A	S	S	BLAMONT,J.E.	
R6402-1401	0557		FR	HAMM AL				V						N/A	S	S	UNKNOWN	
R6402-1402	0557		FR	HAMM AL				V						N/A	S	S	UNKNOWN	
R6402-1501	0557		FR	HAMM AL				V						N/A	S	S	UNKNOWN	
R6411-0402	1635		FR	HAMM AL						F				150	S	S	NATIONAL CENTER FOR SCIENTIFIC RES	

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NSSC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS		PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0	R		E		
R6411-2701	1738		FR	HAMM AL	V										N/A	S	S	UNKNOWN	
R6411-3002	1737		FR	HAMM AL	V										N/A	S	S	UNKNOWN	
R6411-3003	1737		FR	HAMM AL	V										N/A	S	S	UNKNOWN	
R6412-0301	1740		FR	HAMM AL	V										N/A	S	S	UNKNOWN	
R6610-1701			FR	ANDA NO	Y	B									N/A	S	S	UNKNOWN	
R6611-1209	1342		FR	AR						D					N/A	S	S	NATIONAL CENTER FOR SCIENTIFIC RES	
R6701-1301	1000		FR	HAMM AL						D					140	S	S	UNKNOWN	
R6804-0902			FR	KFRG FR											114	S	S	UNKNOWN	
R6902-2502	1633		FR FP NE IL	ANDA NO		X	X	X							136	S	S	RIEDLER, W. W. LABEYRIE, J.	
R6902-2503	2137		FR FP NE IL	ANDA NO		X	X	X							68	S	S	PETERS, B. DE JAGER, C. RIEDLER, W. W.	
R6902-2504	2350		FR FP NE IL	ANDA NO		X	X	X							128	F	S	DE JAGER, C. LABEYRIE RIEDLER, W.	
R6904-1302	0033		FR	ANDA NO	X	X	X	X							399	S	S	BRUSTON, P. CAMBOU, F.	
R6907-1001	1231		FR	MDTC FR	V										109	S	S	UNKNOWN	
R6907-1002	1750		FR	MDTC FR	V										114	S	S	UNKNOWN	
R6810-1503	1632	CE-39	FR	KIRA SW	Z										160	S	S	BLAMONT, J. E. GROVES, G. V. JAESCHKE, R.	
R6811-0102	0440	CE-50	FR	KIRA SW	Z										167	S	S	BLAMONT, J. E. GROVES, G. V. JAESCHKE, R.	
R6903-1702	1209	D-001	FR	KFRG FG						E					410	S	S	DELABOUDINIERE, N.	
R6811-0302	0142	D-002B	FR	ANDA NO	X	X	X	X							414	S	S	BRUSTON, P. CAMBOU, F.	
R6911-1801	1334	D-003	FR	TCLN FR						D					N/A	S	S	BEGHIN, M.	
R6701-2802	1205	D-025	FR	DMDU FR						C					N/A	S	S	UNKNOWN	
R6701-2901	0120	D-026	FR	DMDU AX						C					N/A	S	S	UNKNOWN	
R6605-1402	1427	DRAGON	FR	HAMM AL							E				480	S	S	BLAMONT, J. E.	
R6503-3101	1434	ESRO	FR	SARA IT						C					45	F	F	RAUER, K. JACOBS, K. G. KAISER, P. WILLMORE, A. P. NORMAN, K.	
R6504-0302	1254	ESRO	FR	SARA IT						C					155	S	S	RAUER, K. JACOBS, K. G. KAISER, P. WILLMORE, A. P. NORMAN, K.	
R6908-1101	0130	ESROC51/0C1	FR SW	KIRA SW		K									147	S	S	ROSSLER, F. WITT, G.	

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NSSDC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0					
R6310-3101	1650	NASA 4.54 II	FR	WALI UA												187	S	S	STOREY, L. R. D.
R7109-1901	2156	NASA 10.348GM	FR UA	KFRG FR	A	B	C	F	Z							125	S	S	THEON, J. S.
R7109-2001	0330	NASA 10.345GM	FR UA	KFRG FR	A	B	C	F	Z							122	S	S	THEON, J. S.
R7109-2004	1445	NASA 10.350GM	FR UA	KFRG FR	A	B	C	F	Z							118	S	S	THEON, J. S.
R7109-2201	0350	NASA 10.351GM	FR UA	KFRG FR	A	B	C	F	Z							118	S	S	THEON, J. S.
R7109-2003	0930	NASA 10.352GM	FR UA	KFRG FR	A	B	C	F	Z							117	S	S	THEON, J. S.
R7109-2005	1900	NASA 10.353GM	FR UA	KFRG FR	A	B	C	F	Z							116	S	S	THEON, J. S.
R7109-2002	0615	NASA 10.354GM	FR UA	KFRG FR	A	B	C	F	Z							115	S	S	THEON, J. S.
R7109-2102	0005	NASA 10.355GM	FR UA	KFRG FR	A	B	C	F	Z							117	S	S	THEON, J. S.
R7109-2103	0450	NASA 10.356GM	FR UA	KFRG FR	A	B	C	F	Z							114	S	S	THEON, J. S.

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NSSCC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS										APPROX APOGEE	SUCCESS R	E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0				
R7109-2104	0914	NASA 10.357GM	FR UA	KFRG FR	A										118	S	S	THEON, J. S.
					B													
					C													
					F													
R7109-2105	1400	NASA 10.358GM	FR UA	KFRG FR	Z										118	S	S	THEON, J. S.
					A													
					B													
					C													
					F													
R7109-2106	1840	NASA 10.359GM	FR UA	KFRG FR	Z										116	S	S	THEON, J. S.
					A													
					B													
					C													
					F													
R7109-2107	2340	NASA 10.360GM	FR UA	KFRG FR	Z										116	S	S	THEON, J. S.
					A													
					B													
					C													
					F													
R6902-2001	1148	VERONIQUE	FR	KAIS FR											107	S	S	GIRAUD, H.
R6811-1201	1120		GF	AREN SP											94	S	S	UNKNOWN
R6511-1813	1744	CE-119	GF FR	COLB AL											170	S	P	NEUSS, H.
R6511-1901	1744	CE-120	GF FR	CCLB AL											190	S	P	NEUSS, H.
R6511-2002	1753	D-C08	GF FR	COLB AL											400	S	S	NEUSS, H.
R6509-3001	0420	SE 08	GF FR	COLB AL											230	S	S	NEUSS, H.
R6510-0201	0422	SE 09	GF FR	COLB AL											210	S	S	NEUSS, H.
R6510-2201	2018	V 54	GF	HAMM AL											210	S	S	RAWER, K. KAI SER, P. JACOBS, K. G. BROSS, P.
R6510-2802	0655	V 55	GF	HAMM AL											210	S	S	RAWER, K. KAI SER, P. JACOBS, K. G. BROSS, P.
R6605-2011	0930	NASA 15.38 GI	GR UA	KORO GR											N/A	S	S	AIKIN, A. C. JR. KANE, J. A.
R6508-1701	2355	SK-8-3	IA	LPSC IA											100	S	S	PRINGGOADISURJO, N.
R6508-1102	0135	SK-8-4	IA	LPSC IA											N/A	S	S	BAIQUNI, S. H.
R6602-2201	1829	ESRDC14/001	IL SW UA	ANDA NO											114	S	S	RIEDLER, W. W.
														</				

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

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					1	2	3	4	5	6	7	8	9	0				
R6602-2302	2315	ESROC14/002	IL UA SW	ANDA NO				X	X						118	S	S	UNKNOWN
R6403-1204	0300	F-06	IL SW UA	ANDA NO									F		N/A	S	S	RIEDLER,W.W.
R6703-0303	0002	F-14	IL SW UA	ANDA NO				X	X						N/A	S	S	RIEDLER,W.W.
R6703-1402	2346	F-15	IL UA SW	ANDA NO				X	X						188	S	S	UNKNOWN
R6711-2003	0037	F-20	IL SW UA	ANDA NO				C	X						120	S	S	RIEDLER,W.W.
R6312-2101			IN	THUM IN				V							124	S	S	UNKNOWN
R6802-2208	1155		IN UR	THUM IN				G							154	S	S	UNKNOWN
R6608-0708	0845	PRL-20.005	IN	THUM IN				B							175	S	S	UNKNOWN
R6601-0801	1311	154-053	IN	THUM IN				V	C						150	S	S	BHAVSAR,P.D. PRAKASH,S.
R6311-2102	1295	INCOSPAR 10.01	IN	THUM IN				V							180	S	S	BHAVSAR,P.D.
R6603-2404	1330	INCOSPAR 10.07	IN	THUM IN				V							201	S	F	BHAVSAR,P.D.
R6603-2502	0019	INCOSPAR 10.08	IN	THUM IN				V							201	S	F	BHAVSAR,P.D.
R6802-0204	1326	INCOSPAR 10.13	IN	THUM IN				A	C						171	S	S	BHAVSAR,P.D.
R6407-1404	0454	INCOSPAR 11.01	IN	THUM IN				A							76	S	S	RAO,M.S.V.
R6407-1509	0955	INCOSPAR 11.02	IN	THUM IN				A							76	S	F	RAO,M.S.V.
R6407-1604	0910	INCOSPAR 11.03	IN	THUM IN				A							76	S	S	RAO,M.S.V.
R6408-1901	0601	INCOSPAR 11.04	IN	THUM IN				A							78	S	S	RAO,M.S.V.
R6412-0501	0655	INCOSPAR 11.05	IN	THUM IN				A							77	S	S	RAO,M.S.V.
R6412-1501	0630	INCOSPAR 11.06	IN	THUM IN				A							77	S	S	RAO,M.S.V.
R6412-1604	0738	INCOSPAR 11.07	IN	THUM IN				A							77	S	S	RAO,M.S.V.
R6501-1201	1059	INCOSPAR 11.08	IN	THUM IN				A							77	S	S	RAO,M.S.V.
R6501-1303	1015	INCOSPAR 11.09	IN	THUM IN				A							77	S	S	RAO,M.S.V.
R6502-0302	0739	INCOSPAR 11.10	IN	THUM IN				A							77	S	S	RAO,M.S.V.
R6503-1704	0655	INCOSPAR 11.11	IN	THUM IN				A							77	S	S	RAO,M.S.V.
R6505-1903	0704	INCOSPAR 11.12	IN	THUM IN				A							77	S	S	SIKDAR,D.N.
R6506-1601	0704	INCOSPAR 11.13	IN	THUM IN				A							77	S	S	SIKDAR,D.N.
R6906-1101	0520	INCOSPAR 11.30	IN	THUM IN				A							65	S	S	PISHAROTY,P.R.
R6906-2501	0612	INCOSPAR 11.31	IN	THUM IN				A							64	S	S	PISHAROTY,P.R.
R6907-1601	0530	INCOSPAR 11.32	IN	THUM IN				A							64	S	S	PISHAROTY,P.R.
R6907-2301	0550	INCOSPAR 11.33	IN	THUM IN				A							64	S	S	PISHAROTY,P.R.
R6908-0601	0550	INCOSPAR 11.35	IN	THUM IN				A							64	S	S	PISHAROTY,P.R.
R6908-2001	1057	INCOSPAR 11.36	IN	THUM IN				A							64	S	S	PISHAROTY,P.R.
R6504-2802	2357	INCOSPAR 15.02	IN	THUM IN				V	C						150	S	S	
R6603-2403	1645	INCOSPAR 15.04	IN	THUM IN				V							163	S	S	BHAVSAR,P.D.
R6802-0205	1240	INCOSPAR 15.06	IN	THUM IN				A							159	S	S	BHAVSAR,P.D.
R6511-2306	0227	INCOSPAR 15.1	IN	THUM IN				A							69	S	F	RAO,M.S.V.
R6808-2902	0538	INCOSPAR 20.06	IN	THUM IN				B							170	S	S	SASTRY,T.S.G. PRAKASH,S.

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					1	2	3	4	5	6	7	8	9	0					
R6808-2903	0845	INCOSPAR 2C.07	IN	THUM IN												170	S	S	SASTRY, T. S. G. PRAKASH, S.
R6808-2904	1730	INCOSPAR 2C.08	IN	THUM IN												170	S	S	SASTRY, T. S. G. PRAKASH, S.
R6601-1902	0930	INCOSPAR 23	IN	THUM IN												77	S	S	RAO, M. S. V.
R6602-1601	0330	INCOSPAR 24	IN	THUM IN												67	S	S	RAO, M. S. V.
R6603-1603	1210	INCOSPAR 25	IN	THUM IN												67	S	S	RAO, M. S. V.
R6802-2206	1125	INCOSPAR 2E.01	IN	THUM IN												155	S	S	SHIRKE, J. S. POKHUNKOV, A. A.
R6802-2102	1940	INCOSPAR 2E.02	IN	THUM IN												136	S	S	SHIRKE, J. S. POKHUNKOV, A. A.
R6811-0301	0219	INCOSPAR 3E.01	IN	THUM IN												140	S	S	RAO, U. R. CHITNIS, E. V.
R6811-0703	0305	INCOSPAR 40.03	IN	THUM IN												150	S	S	RAJ, J. R. CHITNIS, E. V.
R6904-2601	1730	INCOSPAR 4C.04	IN	THUM IN												144	S	S	CHITNIS, E. V. RAO, U. R.
R6904-2801	1734	INCOSPAR 4C.05	IN	THUM IN												148	S	S	CHITNIS, E. V. RAO, U. R. ODA, M.
R6507-2101	0250	INCOSPAR JD-14	IN	THUM IN												77	S	S	RAO, M. S. V.
R6508-1801	0710	INCOSPAR JD-15	IN	THUM IN												77	S	S	RAO, M. S. V.
R6509-1502	0931	INCOSPAR JD-16	IN	THUM IN												77	S	S	RAO, M. S. V.
R6510-2002	0705	INCOSPAR JD-17	IN	THUM IN												77	S	S	RAO, M. S. V.
R6511-1704	0836	INCOSPAR JD-18	IN	THUM IN												77	S	S	RAO, M. S. V.
R6512-1503	0735	INCOSPAR JD-20	IN	THUM IN												77	S	S	RAO, M. S. V.
R6604-1301	0730	INCOSPAR JD-26	IN	THUM IN												69	S	S	RAO, M. S. V.
R6607-1302	0620	INCOSPAR JD-27	IN	THUM IN												69	S	S	RAO, M. S. V.
R7101-0703	0027	ISRO 05.12 B	IN	THUM IN												150	P	P	ABDUL KALAM, A. P. J. BHAVSAR, P. D. DESAI, J. N.
R7012-0901	1745	ISRO 08.01	IN UR	THUM IN												91	S	S	FEDYNSKI, A. V. PISHAROTY, P. R.
R7012-1601	1736	ISRO 08.02	IN UR	THUM IN												93	S	S	FEDYNSKI, A. V. PISHAROTY, P. R.
R7012-2301	1730	ISRO 08.03	IN UR	THUM IN												93	S	S	FEDYNSKI, A. V. PISHAROTY, P. R.
R7012-3001	1735	ISRO 08.04	IN UR	THUM IN												94	S	S	FEDYNSKI, A. V. PISHAROTY, P. R.
R7101-0601	1730	ISRO 08.05	IN UR	THUM IN												89	S	S	PISHAROTY, P. R. FEDYNSKI, A. V.
R7101-1302	1735	ISRO 08.06	IN	THUM IN												94	S	S	PISHAROTY, P. R. FEDYNSKI, A. V.
R7101-2001	0430	ISRO 08.07	IN UR	THUM IN												91	S	S	PISHAROTY, P. R. FEDYNSKI, A. V.

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					1	2	3	4	5	6	7	8	9	0	R		E		
R7101-2002	1730	ISRO 08.08	IN UR	THUM IN	J											90	S	S	PISHAROTY, P.R. FEDYNSKI, A.V.
R7101-3001	0522	ISRO 08.09	IN UR	THUM IN	J											89	S	S	PISHAROTY, P.R. FEDYNSKI, A.V.
R7102-0302	1905	ISRO 08.10	IN UR	THUM IN	J											91	S	S	FEDYNSKI, A.V. PISHAROTY, P.R.
R7102-1001	1800	ISRO 08.11	IN UR	THUM IN	J											91	S	S	FEDYNSKI, A.V. PISHAROTY, P.R.
R7102-1701	1800	ISRO 08.12	IN UR	THUM IN	J											84	S	S	FEDYNSKI, A.V. PISHAROTY, P.R.
R7102-2402	1800	ISRO 08.13	IN UR	THUM IN	J											91	S	S	FEDYNSKI, A.V. PISHAROTY, P.R.
R7103-0304	1800	ISRO 08.14	IN UR	THUM IN	J											90	S	S	FEDYNSKI, A.V. PISHAROTY, P.R.
R7103-1006	1800	ISRO 08.15	IN UR	THUM IN	J											90	S	S	FEDYNSKI, A.V. PISHAROTY, P.R.
R7103-1701	1700	ISRO 08.16	IN UR	THUM IN	J											92	S	S	FEDYNSKI, A.V. PISHAROTY, P.R.
R7103-2403	1700	ISRO 08.17	IN UR	THUM IN	J											89	S	S	FEDYNSKI, A.V. PISHAROTY, P.R.
R7103-3101	1700	ISRO 08.18	IN UR	THUM IN	J											89	S	S	FEDYNSKI, A.V. PISHAROTY, P.R.
R7104-0502	1357	ISRO 08.19	IN UR	THUM IN	V											N/A	S	S	BHAVSAR, P.D. DESAI, J.N.
R7104-0501	1432	ISRO 08.20	IN UR	THUM IN	J											N/A	P	P	FEDYNSKI, A.V. PISHAROTY, P.R.
R7105-1903	1505	ISRO 08.21	IN UR	THUM IN	J											90	S	S	PISHAROTY, P.R. NARAYANAN, V.
R7105-2601	1510	ISRO 08.22	IN UR	THUM IN	J											92	S	S	FEDYNSKI, A.V. PISHAROTY, P.R.
R7106-0201	1500	ISRO 08.23	IN UR	THUM IN	J											89	S	S	NARAYANAN, V. FEDYNSKI, A.V.
R7106-0901	1509	ISRO 08.24	IN UR	THUM IN	J											N/A	S	P	PISHAROTY, P.R. NARAYANAN, V.
R7106-1601	1500	ISRO 08.25	IN UR	THUM IN	J											91	S	S	FEDYNSKI, A.V. PISHAROTY, P.R.
R7106-2301	1515	ISRO 08.26	IN UR	THUM IN	J											N/A	S	S	NARAYANAN, V. FEDYNSKI, A.V.

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NSSCC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0					
R7106-3001	1636	ISRD 08.27	IN UR	THUM IN	J											88	S	P	PISHAROTY, P.R. NARAYANAN, V. FEDYNSKI, A.V.
R7101-2802	0510	ISRD 10.37 NASA	IN	THUM IN		A		E								163	S	S	PRAKASH, S. SHIRKE, J.S. RAO, R.R.
R7101-2803	0540	ISRD 10.38 NASA	IN	THUM IN		C										189	S	P	PRAKASH, S. SASTRY, T.S.G. RAO, R.R.
R7104-2501	1325	ISRD 10.39 NASA	IN JA UA	THUM IN	V	C										N/A	P	P	BHAVSAR, P.D. DESAI, J.N. OBAYASHI, T. HIRAO, K.
R7104-2502	0600	ISRD 10.40 NASA	IN JA UA	THUM IN		C		B								160	S	P	SASTRY, T.S.G. OBAYASHI, T. HIRAO, K.
R7104-1901	1325	ISRD 10.41 NASA	IN UA	THUM IN	V											198	S	S	BHAVSAR, P.D. DESAI, J.N.
R7104-3001	0608	ISRD 10.42 NASA	IN UA	THUM IN		B		B								171	S	S	SASTRY, T.S.G. DEOGAONKAR, S.S.
R7001-0201	0705	ISRD 30.01	IN	THUM IN		C		E								125	S	S	SOMAYAJULU, Y.V.
R6912-0701	0135	ISRD 45.03	IN	THUM IN		C			F		A					123	S	S	GUPTA, S.C. MATHUR, M.C. ASHIYA, T. KATHIRVEL, K.
R6912-0702	0035	ISRD 45.03	IN	THUM IN		C			F							125	S	S	RAO, U.R. DEGAONKAR, S.S.
R6610-2200			IS								A					140	S	S	UNKNOWN
R6706-0500			IS								A					140	S	S	UNKNOWN
R6708-1100			IS								A					140	S	S	UNKNOWN
R6912-1101	0405	CENTAURE	IT	SARA IT												160	S	S	MAUERSBERGER, K. MULLER, D.
R7001-2402	1427	ESRD S56A/C1	IT UK	SARA IT		C		E								N/A	S	S	ZAHNINGER, J. HALL, J.E.
R7007-2301	1355	ESRD S56A/C2	IT UK	SARA IT		D		F								137	S	S	KRANKOWSKY, D. HALL, J.E.
R6906-0501	1928	ESROC35/002	IT	KIRA SW						G						130	S	S	BRINI, D.
R7007-2401	0326	ESROS65/002	IT FP	SARA IT		C		E								125	S	S	KATSER, T.R. HALE, J.E.
R7007-2703	0416	ESROS65/002	IT FP	SARA IT		C		E								128	S	S	KRANKOWSKY, D. KATSER, T.R.
R6910-2402	0544	ESRD S58/001	IT	SARA IT		D					A					184	S	S	BRINI, D.
R7006-2203	1404	ESROS68/002	IT	SARA IT							A					3	S	S	BRINI, D.
R6104-1902	1837	ISRC-RS-002	IT	SARA IT		V										200	S	S	BROGLIO, L.
R6104-2002	0346	ISRC-RS-003	IT	SARA IT		V										190	S	S	BROGLIO, L.
R6104-2003	1839	ISRC-RS-004	IT	SARA IT		V										N/A	F	F	BROGLIO, L.
R6104-2004	1843	ISRC-RS-005	IT	SARA IT		V										188	S	S	BROGLIO, L.
R6109-0701	1817	ISRC-RS-006	IT	SARA IT		V										200	S	S	BROGLIO, L.
R6109-0801	0406	ISRC-RS-007	IT	SARA IT		V										100	P	F	BROGLIO, L.

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					1	2	3	4	5	6	7	8	9	0				
R6109-0802	0411	ISRC-RS-00E	IT	SARA IT											145	S	S	BROGLIO, L.
R6607-1301	1944	R-85	IT	SARA IT											N/A	S	S	UNKNOWN
R6607-0801	1917	S-18	IT	SARA IT											200	S	S	UNKNOWN
R7012-0601	1100	S-69	IT UK	SARA IT											187	S	S	UNKNOWN
R6710-C702	1450	SK-06	IT	SARA IT											164	S	S	HALL, J. E.
R6705-2201	0012	SK-17	IT	SARA IT											230	S	P	SAYERS, J.
R6705-2501	2324	SK-19	IT	SARA IT											215	S	S	BUTLER, H. E.
R6710-1002	1433	SK-19	IT	SARA IT											204	S	S	BRINI, D.
R6710-0403	1323	SK-20	IT	SARA IT											206	S	S	BUTLER, H. E.
R6809-1401	0100		JA	KAGA JA											82	F	F	RAKER, K.
R6809-1402	0400		JA	KAGA JA											81	F	F	VASSY, E.
R6809-1502	0518	AO 03.903-01	JA	KAGA JA											56	S	S	BOYD, R. L. F.
R5811-2801	1205	K -04 -CP-001	JA	AKTA JA											40	P	S	RAKER, K.
R5811-3003	1300	K -04 -CP-002	JA	AKTA JA											49	P	P	BOYD, R. L. F.
R5809-2504	1450	K -04 -RS-001	JA	AKTA JA											51	P	P	VON ZAHN, U.
R5811-2902	1205	K -04 -RS-002	JA	AKTA JA											40	P	P	UNKNOWN
R5809-2501	1155	K -04 -TW-003	JA	AKTA JA											48	P	F	UNKNOWN
R5809-2602	1250	K -04 -TW-004	JA	AKTA JA											58	P	S	UNKNOWN
R5812-2302	1203	K -04 -TW-005	JA	AKTA JA											60	S	S	UNKNOWN
R5811-2802	0307	K -06 -CP-001	JA	AKTA JA											N/A	F	F	TAKEUCHI, H.
		S -006																IMAI, T.
R5811-3002	0400	K -06 -CP-002	JA	AKTA JA											49	S	S	OTSUKA, K.
		S -008																NARITA, S.
R5809-2503	0550	K -06 -RS-001	JA	AKTA JA											N/A	P	P	KARIYA, S.
		S -004																TAKEUCHI, H.
R5811-2901	0305	K -06 -RS-002	JA	AKTA JA											N/A	F	F	IMAI, T.
		S -007																OTSUKA, K.
R5903-1701	0135	K -06 -RS-003	JA	AKTA JA											60	F	F	NARITA, S.
		S -010																KARIYA, S.
R5903-1901	0115	K -06 -RS-004	JA	AKTA JA											N/A	F	F	SAITO, K.
		S -012																NISHI, K.
																		KONO, T.

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					1	2	3	4	5	6	7	8	9	0					
R5806-2402	0150	K -06 -TW-C01 S -001	JA	AKTA JA	Z											N/A	F	F	MATSUMOTO,H. TAKEYA,Y. OKUMOTO,T.
R5806-3001	0752	K -06 -TW-C02 S -002	JA	AKTA JA	Z											N/A	S	F	MATSUMOTO,H. TAKEYA,Y. OKUMOTO,T.
R5809-2502	0255	K -06 -TW-C03 S -003	JA	AKTA JA	Z											44	S	F	MATSUMOTO,H. TAKEYA,Y. OKUMOTO,T.
R5809-2601	0350	K -06 -TW-C04 S -005	JA	AKTA JA	Z											47	P	F	MATSUMOTO,H. TAKEYA,Y. OKUMOTO,T.
R5812-2301	0303	K -06 -TW-C05 S -009	JA	AKTA JA	Z											59	S	S	MATSUMOTO,H. TAKEYA,Y. OKUMOTO,T.
R5903-1801	0245	K -06 -TW-C06 S -011	JA	AKTA JA	Z											50	S	S	MATSUMOTO,H. KIMURA,I. TAKEYA,Y. OKUMOTO,T.
R5903-2001	0250	K -06 -TW-C07 S -013	JA	AKTA JA	Z											49	S	S	MATSUMOTO,H. KIMURA,I. TAKEYA,Y. OKUMOTO,T.
R6009-2901	0246	K -06H-TW-C09 S -018	JA	AKTA JA	Z											70	S	S	MATSUMOTO,H. TAKEYA,Y. OKUMOTO,T.
R6104-1802	1227	K -08 S -019B	JA	AKTA JA	C											144	S	F	NAKAMURA,T. NAKAMURA,J. NAKAMURA,M. TOHMATSU,T. OHISUKA,K.
R6107-2103	0242	K -08 S -022B	JA	AKTA JA	Z	C										158	S	S	HIRAO,K. MIYAZAKI,S. SHIRO,I. FUGONO,N. AKITA,K. ICHIMIYA,T. MURAOKA,T. KOGE,Y.
R6205-2401	1050	K -08 S -026	JA	AKTA JA	C	E										N/A	F	S	MIYAZAKI,S. FUGONO,N. SHIRO,I. SUGIYAMA,T. NAGAO,S.
R6212-1802	0503	K -08 S -028-001	JA	KAGA JA	A											202	S	S	SEKIGUCHI,K. TAKAKURA,T. KIMURA,I.

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					1	2	3	4	5	6	7	8	9	0						
R6212-1803	0503	K -08 -11 S -028-002	JA	KAGA JA	E											202	S	S	TAKEUCHI, H. IMAI, T. OTSUKA, K. OYA, K.	
R6212-1804	0503	K -08 -11 S -028-003	JA	KAGA JA					A							202	S	S	AOYAMA, I. SHIMIZU, Y. ITZUKA, I.	
R6507-1601	1050	K -08 -12 S -046-001	JA	KAGA JA	V											160	S	P	NAKAMURA, J. AKITA, K. SAITO, K.	
R6507-1602	1050	K -08 -12 S -046-003	JA	KAGA JA				C		E						N/A	S	F	OBAYASHI, T. OYA, H. TANABE, S.	
R6507-1603	1050	K -08 -12 S -046-002	JA	KAGA JA	V											160	S	P	SHIRO, I. DSHIO, M. FUGONO, N. OGATA, T. NAGAYAMA, M. MI, H. MIMURA, H.	
R6604-2001	1205	K -08 -13 S -054-002	JA	KAGA JA	V											155	S	S	KIMURAH, H. SAITO, K. WATANABE, C.	
R6604-2002	1205	K -08 -13 S -054-001	JA	KAGA JA					A							N/A	P	P	NAKADAN, K. SAKURAI, T. KONDO, S.	
R6604-2003	0450	K -08 -13	JA	KAGA JA				X	X							N/A	S	S	OGAWA, T.	
R6610-2001	0220	K -08 -14 S -059-001	JA	KAGA JA		B										191	S	S	AOYAMA, I. TOYAMA, F.	
R6610-2002	0225	K -08 -14 S -059-002	JA	KAGA JA						D						191	S	S	TOHMATSU, T. TSURUTA, H.	
R6610-2003	0200	K -08 -14 S -059-003	JA	KAGA JA					B							191	S	S	FUGONO, N. MIYAZAKI, S. MIMURA, H. ABIKO, K.	
R6901-0901	0740	K -08 -15 S -070-001	JA	KAGA JA				B								188	S	S	MATSUZAWA, T. OYAMA, K. FUGONO, N. MIMURA, H. ABIKO, K.	
R6901-0902	0740	K -08 -15 S -070-002	JA	KAGA JA						A						188	S	S	AOYAMA, I. TOYAMA, F.	
R6901-0903	0740	K -08 -15 S -070-003	JA	KAGA JA					C							188	S	S	OBAYASHI, T. EJIRI, M. YAMAKI, T.	
R7009-0201	1014	K -08 -16	JA	KAGA JA				V	E							174	P	P	OYAMA, K.	

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					1	2	3	4	5	6	7	8	9	0	R		E		
R7009-0202	1014	K -08 -16 S -084-001	JA	KAGA JA	V	G										174	S	P	KIMURA,H. MATSUOKA,T. OHCHI,N. KATO,S. KURIKI,I.
R7009-0203	1014	K -08 -16 S -084	JA	KAGA JA			C									174	S	S	KATO,K. EJIRI,M. ASO,T.
R6009-2201	0632	K -08 -1C-001 S -016	JA	AKTA JA			C									187	S	S	HIRAO,K. MIYAZAKI,S. SHIRO,I. AKITA,K. ICHI,M.A.T. TAKAYAMA,K. MURAOKA,T. SUGIYAMA,T.
R6009-2601	1125	K -08 -1C-002 S -017	JA	AKTA JA			C									174	S	S	HIRAO,K. MIYAZAKI,S. SHIRO,I. AKITA,K. ICHIMIYA,T. TAKAYAMA,K. MURAOKA,T. SUGIYAMA,T.
R6007-1702	0411	K -08 -1D-C01 S -014	JA	AKTA JA			C									182	P	S	HIRAO,K. MIYAZAKI,S. SHIRO,I. AKITA,K. ICHIMIYA,T. TAKAYAMA,K. SUGIYAMA,T. MURAOKA,T.
R6110-2401	0359	K -08 -1D-C07 S -023	JA	AKTA JA			C									198	S	S	HIRAO,K. MIYAZAKI,S. SHIRO,I. FUGONO,N. SUGIYAMA,T. MURAOKA,T.
R6103-2701	0408	K -08 -1D4/AG1 S -019A	JA	AKTA JA			C									172	S	S	HIRAO,K. MIYAZAKI,S. SHIRO,I. AKITA,K. ICHIMIYA,T. DOYE,T. MURAOKA,T.
R6104-1803	1227	K -08 -1D5/AG2 S -020	JA	AKTA JA			C									144	S	S	HIRAO,K. MIYAZAKI,S. SHIRO,I. AKITA,K.

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					1	2	3	4	5	6	7	8	9	0				
R6110-3001	1113	K -08 -108/AG3 S -024	JA	AKTA JA					C E							175	F S	HIRAO,K. MIYAZAKI,S. SHIRO,I. FUGONO,N. MURAOKA,T. KOGE,Y. SAITO,K. NAKAMURA,J. AKITA,K. OKUMOTO,T. SUZUKI,Y. NISHINO,M. TSURUBAYASHI,K. YOSHIMURA,T.
R6407-2601	1051	K -08L-05 S -033	JA	KAGA JA				V								112	S S	NAKAMURA,J. AKITA,K. OKUMOTO,T. SUZUKI,Y. NISHINO,M. TSURUBAYASHI,K. YOSHIMURA,T.
R6411-1204	0305	K -08L-06 S -038	JA	KAGA JA				Z								N/A	S F	YOSHIMURA,T. NAKAMURA,J. SAITO,K. AOYAMA,I. MORI,Y. MIYASAKA,S. SABURI,A. TANAKA,H. AOYAMA,I. SABURI,A. KIMURA,H. OHCHI,N. WATANABE,C. KIMURA,H. ICHIKAWA,T. WATANABE,C.
R6411-0201	0903	K -08L-07 S -035	JA	KAGA JA				V								156	S S	YOSHIMURA,T. NAKAMURA,J. SAITO,K. AOYAMA,I. MORI,Y. MIYASAKA,S. SABURI,A. TANAKA,H. AOYAMA,I. SABURI,A. KIMURA,H. OHCHI,N. WATANABE,C. KIMURA,H. ICHIKAWA,T. WATANABE,C.
R6411-1203	0205	K -08L-08 S -037	JA	KAGA JA				A								145	S S	YOSHIMURA,T. NAKAMURA,J. SAITO,K. AOYAMA,I. MORI,Y. MIYASAKA,S. SABURI,A. TANAKA,H. AOYAMA,I. SABURI,A. KIMURA,H. OHCHI,N. WATANABE,C. KIMURA,H. ICHIKAWA,T. WATANABE,C.
R6510-0602	0300	K -08L-09 S -050	JA	KAGA JA				V								141	P P	YOSHIMURA,T. NAKAMURA,J. SAITO,K. AOYAMA,I. MORI,Y. MIYASAKA,S. SABURI,A. TANAKA,H. AOYAMA,I. SABURI,A. KIMURA,H. OHCHI,N. WATANABE,C. KIMURA,H. ICHIKAWA,T. WATANABE,C.
R6608-1102	0209	K -08L-10 S -058	JA	KAGA JA				V								130	S S	YOSHIMURA,T. NAKAMURA,J. SAITO,K. AOYAMA,I. MORI,Y. MIYASAKA,S. SABURI,A. TANAKA,H. AOYAMA,I. SABURI,A. KIMURA,H. OHCHI,N. WATANABE,C. KIMURA,H. ICHIKAWA,T. WATANABE,C.
R6610-1801	0917	K -08L-11 S -058	JA	KAGA JA				V								150	S S	YOSHIMURA,T. NAKAMURA,J. SAITO,K. AOYAMA,I. MORI,Y. MIYASAKA,S. SABURI,A. TANAKA,H. AOYAMA,I. SABURI,A. KIMURA,H. OHCHI,N. WATANABE,C. KIMURA,H. ICHIKAWA,T. WATANABE,C.
R6612-1001	0200	K -08L-12 S -062-001	JA	KAGA JA				B								147	S F	YOSHIMURA,T. NAKAMURA,J. SAITO,K. AOYAMA,I. MORI,Y. MIYASAKA,S. SABURI,A. TANAKA,H. AOYAMA,I. SABURI,A. KIMURA,H. OHCHI,N. WATANABE,C. KIMURA,H. ICHIKAWA,T. WATANABE,C.
R6612-1002	0200	K -08L-12 S -062-002	JA	KAGA JA				G B D								147	S S	YOSHIMURA,T. NAKAMURA,J. SAITO,K. AOYAMA,I. MORI,Y. MIYASAKA,S. SABURI,A. TANAKA,H. AOYAMA,I. SABURI,A. KIMURA,H. OHCHI,N. WATANABE,C. KIMURA,H. ICHIKAWA,T. WATANABE,C.
R6112-2601	0505	K -09L-10-C09 S -025	JA	AKTA JA				C E								343	F F	YOSHIMURA,T. NAKAMURA,J. SAITO,K. AOYAMA,I. MORI,Y. MIYASAKA,S. SABURI,A. TANAKA,H. AOYAMA,I. SABURI,A. KIMURA,H. OHCHI,N. WATANABE,C. KIMURA,H. ICHIKAWA,T. WATANABE,C.
R6211-2501	0201	K -09M S -027	JA	KAGA JA				C E								58	F S	YOSHIMURA,T. NAKAMURA,J. SAITO,K. AOYAMA,I. MORI,Y. MIYASAKA,S. SABURI,A. TANAKA,H. AOYAMA,I. SABURI,A. KIMURA,H. OHCHI,N. WATANABE,C. KIMURA,H. ICHIKAWA,T. WATANABE,C.

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

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NSSC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0					
R6305-2002	0209	K -09M-02 S -029	JA	KAGA JA												341	S	S	TAKAKURA,T. OGAWA,T. KIMURA,I. OYA,H. OBAYASHI,T. URIMOTO,S. TOKUDA,S. TSUCHIYA,T. URIMOTO,S. OYAMA,M. TSUCHIYA,A. NAGANE,K. URIMOTO,S. TANABE,S. YAMAGUCHI,T. URIMOTO,S. OYAMA,M. OSHIO,M. MIYAZAKI,S. FUGONO,N. OGATA,T. KOIZUMI,T. SEINO,K. SATO,O.
R6502-0603	1002	K -09M-06 S -041-001	JA	KAGA JA												335	S	S	ADYANA,I. SHIMIZU,Y. IIZUKA,I. TOHMATSU,T. OGAWA,T. SHIRO,I. OSHIO,M. MIYAZAKI,S. OHSE,M. SUGIUCHI,H. HATSUMI,H. SATO,O.
R6502-0604	1002	K -09M-06 S -041-002	JA	KAGA JA												335	S	S	TANABE,H. NAKAMURA,T. URIMOTO,S. SHIRO,I. OSHIO,M. MIYAZAKI,S. OHSE,M. SUGIUCHI,H. HATSUMI,H. SATO,O.
R6502-0605	1002	K -09M-06 S -041-003	JA	KAGA JA												335	S	S	TOHMATSU,T. OGAWA,T.
R6502-0601	0501	K -09M-07 S -040-002	JA	KAGA JA												325	S	S	
R6502-0602	0501	K -09M-07 S -040-003	JA	KAGA JA												N/A	S	S	
R6502-0606	0501	K -09M-07 S -040-001	JA	KAGA JA												325	S	S	
R6503-2504	1121	K -09M-08 S -043	JA	KAGA JA												320	S	S	
R6503-2505	1121	K -09M-08 S -043-002	JA	KAGA JA												N/A	S	P	
R6503-2703	0501	K -09M-09 S -044-001	JA	KAGA JA												335	S	S	
R6503-2704	0501	K -09M-09 S -044-002	JA	KAGA JA												335	S	S	

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NSSCC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS		PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0	R		E		
R6503-2801	0701	K -05M-1C S -045-001	JA	KAGA JA									C		349	S	S	YABUZAKI,T. NAKADAN,K. OKAWA,K. HAGASHINO,I. SASANUMA,M. MASUOKA,T. MATSUSHIMA,K. ARIMA,R. TANABE,H. NAKANURA,T. FUKUDA,S. MATSUOKA,M. YAMASHITA,K. ADYAMA,I. SHIRO,I. OSHIO,M. FUGONO,N. OGATA,T. NAGAYAMA,M. HATSUMI,H. MIMURA,H. OBAYASHI,T. OYA,H. TANABE,S. OYA,H. URIMOTO,S. TANABE,S. YAMAKI,H. HIRONO,M. SHIRO,I. MIYAZAKI,S. FUGONO,N. KOBAYASHI,T. SUGIUCHI,H. UEDA,A. MIMURA,H. SATO,O. HIRONO,M. SHIRO,I. MIYAZAKI,S. FUGONO,N. KOBAYASHI,T. SUGIUCHI,H. UEDA,A. MIMURA,H. SATO,D.	
R6503-2802	0701	K -05M-10 S -045-002	JA	KAGA JA									B		N/A	S	F		
R6507-2601	1201	K -09M-12 S -047-001	JA	KAGA JA										C		N/A	S	S	
R6507-2602	1201	K -09M-12 S -047-002	JA	KAGA JA										F		350	S	S	
R6507-2701	0310	K -09M-13	JA	KAGA JA									B	A		317	S	S	
R6507-2702	0310	K -09M-13 S -048-002	JA	KAGA JA									E			317	S	S	
R6507-2703	0310	K -09M-13 S -048-003	JA	KAGA JA										C		N/A	S	S	
R6510-0401	0300	K -09M-14 S -049-001	JA	KAGA JA										A		300	S	S	
R6510-0402	0300	K -09M-14 S -049-002	JA	KAGA JA										C		300	S	S	
R6510-0403	0300	K -09M-14 S -049-003	JA	KAGA JA										D		300	S	S	

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NSSC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS		PRINCIPAL EXPERIMENTER(S)	
					1	2	3	4	5	6	7	8	9	0	R		E			
R6603-2001	1215	K -09M-15 S -053-001	JA	KAGA JA														S	S	SHIRO, I. FUGONO, N. HIGASHI MURA, M. AKAMATSU, M. MIMURA, H. SHINIZU, M.
R6603-2002	1215	K -09M-15 S -053-002	JA	KAGA JA														S	S	YAMASHITA, K. OGAWA, H. MATSUOKA, M. TANABE, H. ASHIDA, S.
R6603-2003	1215	K -09M-15 S -053-003	JA	KAGA JA														S	S	NAKAMURA, T. OSHIO, M. MIYAZAKI, S. FUGONO, N. KOSEKI, T. KANINUMA, S. OYAMA, K. UEDA, A. SATO, O.
R6512-1301	0620	K -09M-16 S -051-002	JA	KAGA JA														S	S	NAGATA, T. TOMMATSU, T. OGAWA, T. OSHIO, M. MIYAZAKI, S. FUGONO, N. KOSEKI, T. KANINUMA, S. OYAMA, K. UEDA, A. SATO, O.
R6512-1302	0620	K -09M-16 S -051-003	JA	KAGA JA														S	S	YAMAGUCHI, T. URIMOTO, S. IMAI, A. TAKEUCHI, H. IMAI, T. OTSUKA, Y. TSUTSUMI, M.
R6512-1303	0620	K -09M-16 S -051-001	JA	KAGA JA														S	S	TOMMATSU, T. TSURUTA, H. FUGONO, N. SHIRO, I. MIYAZAKI, S. KOSEKI, T. NAGAYAMA, M. UEDA, A. SATO, O.
R6512-1802	0600	K -09M-17 S -052-001	JA	KAGA JA														S	P	YAMBUZAKI, T. NAKADAN, K. OGAWA, T.
R6512-1803	0600	K -09M-17 S -052-002	JA	KAGA JA														S	P	YAMAGUCHI, T. URIMOTO, S. IMAI, A.
R6512-1804	0600	K -09M-17 S -052-003	JA	KAGA JA														S	S	TAKEUCHI, H. IMAI, T. OTSUKA, Y. TSUTSUMI, M.
R6607-1706	0210	K -09M-18 S -055-001	JA	KAGA JA														S	S	TOMMATSU, T. TSURUTA, H.
R6607-1707	0210	K -09M-18 S -055-002	JA	KAGA JA														S	S	FUGONO, N. SHIRO, I. MIYAZAKI, S. KOSEKI, T. NAGAYAMA, M. UEDA, A. SATO, O.

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

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NSSCC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS R E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0				
R6607-1708	0210	K -09M-18 S -055-003	JA	KAGA JA							B					326	S S	AOYAMA, I. TOYAMA, F.
R6607-1709	0210	K -09M-18 S -055-004	JA	KAGA JA									G			326	S P	TAKEUCHI, H. INAI, T. OTSUKA, Y. OYA, K. TSUTSUMI, M. ANDO, T.
R6608-1001	1237	K -09M-19	JA	KAGA JA							C	B				330	S S	KIMURA, I.
R6608-1002	1237	K -09M-19 S -057-002	JA	KAGA JA							A					330	S S	KURAHASHI, K. TOKUDA, S. TSUCHIYA, T. OYAMA, M. TANABE, H. NAKAMURA, T. ASHIDA, S.
R6608-1003	1237	K -09M-19 S -057-003	JA	KAGA JA							C					330	S S	TOHMATSU, T. OGAWA, T.
R6610-2004	0825	K -09M-20 S -060-001	JA	KAGA JA							C					353	S S	MIYAZAKI, S.
R6610-2005	0825	K -09M-20 S -060-002	JA	KAGA JA							C	E				353	S S	FUGONO, N. SUITZ, T. SUGIUCHI, H. OYAMA, K. MIMURA, N. MATSUZAWA, T.
R6610-2006	0825	K -09M-20 S -060-003	JA	KAGA JA							C	B				353	S S	OBAYASHI, T. OYA, H. OKAZAKI, A. ASAHI, T.
R6612-0501	0200	K -09M-21 S -061-001	JA	KAGA JA							F		D			326	S S	TOHMATSU, T. TSURUTA, H.
R6612-0502	0200	K -09M-21 S -061-002	JA	KAGA JA							F		D E			326	S S	TOHMATSU, T. OGAWA, T.
R6612-0503	0200	K -09M-21 S -061-003	JA	KAGA JA							C					326	S S	IWASAKA, Y. OBAYASHI, T. OYA, H. URIMOTO, S. YAMAKI, H.
R6701-3101	0205	K -09M-22 S -064-001	JA	KAGA JA									A			327	S S	YAMAGUCHI, T. URIMOTO, S. OYAMA, M.
R6701-3107	0205	K -09M-22 S -064-002	JA	KAGA JA									A			310	S S	ICHINOSE, T. SAKURAI, T. KONDO, S.
R6701-3108	0205	K -09M-22 S -064-003	JA	KAGA JA							E C					327	S S	KAWASHIMA, N. OYAMA, K. SATO, O. UYEDA, A.

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NSSCC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS		PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0	R		E		
R6902-1303	0205	K -09M-23 S -075	JA	KAGA JA												310	S	S	HIGASHINO, I. SASANUMA, M. MASUOKA, T. WATANABE, N. SUZUKI, N. KUBOI, T. KANETO, T. MATSUSHIMA, T.
R6901-1901	1200	K -09M-24 S -074-001	JA	KAGA JA												343	S	S	WATANABE, H. AKECHI, A. SHIDA, S.
R6901-1902	1200	K -09M-24 S -074-002	JA	KAGA JA												328	S	S	OYA, H. ASO, T.
R6901-1903	1200	K -09M-24 S -074-003	JA	KAGA JA												327	S	S	KIMURA, I. MATSUMOTO, H.
R6901-1904	1200	K -09M-24 S -074-004	JA	KAGA JA												328	S	S	TOHMATSU, T. OGAWA, T.
R6901-0801	0210	K -09M-25 S -069-001	JA	KAGA JA												344	S	P	KIMURA, I. OYA, H. ASO, T.
R6901-0802	0210	K -09M-25 S -069-003	JA	KAGA JA												343	S	S	TAKEMURA, S. FUJITANI, K. ASAHINA, T. HISHIDA, Y. KAJIYAMA, K.
R6901-0803	0210	K -09M-25 S -069-004	JA	KAGA JA												343	S	S	AOYAMA, I. TOYAMA, F.
R6901-0804	0210	K -09M-25 S -069-002	JA	KAGA JA												343	S	S	IMAI, T. IWASAKI, S. IRIE, H. YAMASHITA, T. TAKEUCHI, H.
R6908-2401	0803	K -09M-26 S -077-001	JA	KAGA JA												341	S	S	KAMADA, T. HAYAKAWA, N. YAMAGUCHI, T.
R6908-2402	0803	K -09M-26 S -077-002	JA	KAGA JA												341	S	S	IWAI, A. KAMADA, T. OTSU, J. KURAHASHI, K.
R6908-0701	1215	K -09M-27 S -075-001	JA	KAGA JA												327	S	S	HAYAKAWA, N. OYA, H. ASO, T. OGAWA, T.
R6908-0702	1215	K -09M-27 S -075-002	JA	KAGA JA												327	S	S	SAKURAI, H. MIYAMOTO, S.
R6908-0703	1215	K -09M-27 S -075-003	JA	KAGA JA												327	S	S	KITAMURA, T. YABUZAKI, T. TSUKADA, N. KONDO, S.

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

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NSSOC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0					
R6908-C704	1215	K -09M-27 S -075-004	JA	KAGA JA										G	327	S	P	TAKEUCHI, H. IMAI, T. IWASAKI, S. YAMASHITA, T. MATSUMOTO, K.	
R7001-2501	0500	K -09M-28 S -081-001	JA	KAGA JA											369	S	S	OYAMA, K.	
R7001-2502	0500	K -09M-28 S -081-002	JA	KAGA JA											369	S	S	SUITSU, T. KUBOI, T. UMEHASHI, K. KAMADA, T. YAMAGUCHI, T.	
R7001-2701	1020	K -09M-29 S -082-001	JA	KAGA JA											357	S	S	MATSUMOTO, H. KIMURA, I. HAYAKAWA, M. YAMAGUCHI, T. URIMOTO, S. YAMADA, A.	
R7001-2702	1020	K -09M-29	JA	KAGA JA											357	S	S		
R7001-2703	1020	K -09M-29	JA	KAGA JA											357	S	S		
R7001-2704	1020	K -09M-29 S -082-004	JA	KAGA JA											357	S	F		
R7001-2705	1020	K -09M-29 S -082-005	JA	KAGA JA											357	S	S	OYA, H. ASO, T. YOKOBORI, N. EJIRI, M. OYAMA, K.	
R7001-2706	1020	K -09M-29 S -082-006	JA	KAGA JA											180	S	S		
R7101-1603	0715	K -09M-30 S -087-001	JA	KAGA JA											357	S	F	HIGASHINO, I. WATANABE, N. TOHMATSU, T. OGAWA, T. HAYASHI, T.	
R7101-1604	0715	K -09M-30 S -087-002	JA	KAGA JA											357	S	S	SUITSU, T. UMEHASHI, K. MORI, H.	
R7101-1605	0715	K -09M-30 S -087-003	JA	KAGA JA											357	S	F	OGAWA, T. WATANABE, T. TOHMATSU, T.	
R7101-1606	0715	K -09M-30	JA	KAGA JA											357	S	S	OYAMA, K.	
R7101-1607	0715	K -09M-30 S -087-005	JA	KAGA JA											357	S	S	YABUZAKI, T. TSUKADA, N. TSUTSUI, M. KONDO, S.	
R7101-1608	0715	K -09M-30	JA	KAGA JA											357	S	S	OYAMA, K.	
R7009-2701	0642	K -09M-32 S -086-005	JA	KAGA JA											346	S	S	EJIRI, M. WATANABE, Y. BORGNE, K.	
R7009-2702	0642	K -09M-32	JA	KAGA JA											346	S	P	KAWASHIMA, N. KIFUNE, T.	
R7009-2703	0642	K -09M-32 S -086-003	JA	KAGA JA											240	S	S		
R7009-2704	0642	K -09M-32 S -086-002	JA	KAGA JA															

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

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NSSDC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS										APPROX APOGEE	SUCCESS		PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0		R	E	
R7101-2401	0200	K -09M-34 S -089-001	JA	KAGA JA										F	328	S	S	NAKAGAWA, M. TAKAGISHI, K. OGAWARA, Y. HIGASHI, K. YAMAGUCHI, A. OYAMA, K. ADYAMA, I. TOYAMA, F. MIYATAKE, S.
R7101-2402	0200	K -09M-34 S -089-002	JA	KAGA JA									E		328	S	P	NAKAGAWA, M. TAKAGISHI, K. OGAWARA, Y. HIGASHI, K. YAMAGUCHI, A. OYAMA, K. ADYAMA, I. TOYAMA, F. MIYATAKE, S.
R7101-2403	0200	K -09M-34	JA	KAGA JA									E		328	S	S	NAKAGAWA, M. TAKAGISHI, K. OGAWARA, Y. HIGASHI, K. YAMAGUCHI, A. OYAMA, K. ADYAMA, I. TOYAMA, F. MIYATAKE, S.
R7101-2404	0200	K -09M-34 S -089-004	JA	KAGA JA									B		328	S	S	NAKAGAWA, M. TAKAGISHI, K. OGAWARA, Y. HIGASHI, K. YAMAGUCHI, A. OYAMA, K. ADYAMA, I. TOYAMA, F. MIYATAKE, S.
R7101-2301	1320	K -09M-35 S -088-001	JA	KAGA JA									A		338	S	S	NAKAGAWA, M. TAKAGISHI, K. OGAWARA, Y. HIGASHI, K. YAMAGUCHI, A. OYAMA, K. ADYAMA, I. TOYAMA, F. MIYATAKE, S.
R7101-2302	1120	K -09M-35 S -088-002	JA	KAGA									B		340	S	S	NAKAGAWA, M. TAKAGISHI, K. OGAWARA, Y. HIGASHI, K. YAMAGUCHI, A. OYAMA, K. ADYAMA, I. TOYAMA, F. MIYATAKE, S.
R7101-2303	1320	K -09M-35 S -088-003	JA	KAGA JA									A		338	S	S	NAKAGAWA, M. TAKAGISHI, K. OGAWARA, Y. HIGASHI, K. YAMAGUCHI, A. OYAMA, K. ADYAMA, I. TOYAMA, F. MIYATAKE, S.
R7101-2304	1120	K -09M-35 S -088-004	JA	KAGA JA									C		340	S	S	NAKAGAWA, M. TAKAGISHI, K. OGAWARA, Y. HIGASHI, K. YAMAGUCHI, A. OYAMA, K. ADYAMA, I. TOYAMA, F. MIYATAKE, S.
R6703-0701	1100	K -10 -003	JA	KAGA JA											250	S	S	NAKAGAWA, M. TAKAGISHI, K. OGAWARA, Y. HIGASHI, K. YAMAGUCHI, A. OYAMA, K. ADYAMA, I. TOYAMA, F. MIYATAKE, S.
R6612-1003	1130	K -10 -02 S -063-001	JA	KAGA JA									F		253	S	S	NAKAGAWA, M. TAKAGISHI, K. OGAWARA, Y. HIGASHI, K. YAMAGUCHI, A. OYAMA, K. ADYAMA, I. TOYAMA, F. MIYATAKE, S.
R6612-1004	1130	K -10 -02 S -063-002 -063-003	JA	KAGA JA									E		253	S	S	NAKAGAWA, M. TAKAGISHI, K. OGAWARA, Y. HIGASHI, K. YAMAGUCHI, A. OYAMA, K. ADYAMA, I. TOYAMA, F. MIYATAKE, S.
R6612-1005	1130	K -10 -02 S -063-004	JA	KAGA JA									B		253	S	S	NAKAGAWA, M. TAKAGISHI, K. OGAWARA, Y. HIGASHI, K. YAMAGUCHI, A. OYAMA, K. ADYAMA, I. TOYAMA, F. MIYATAKE, S.
R6703-0701	1100	K -10 -03 S -066-001	JA	KAGA JA											248	S	S	NAKAGAWA, M. TAKAGISHI, K. OGAWARA, Y. HIGASHI, K. YAMAGUCHI, A. OYAMA, K. ADYAMA, I. TOYAMA, F. MIYATAKE, S.
R6703-0702	1100	K -10 -03 S -066-002	JA	KAGA JA									A		248	S	P	NAKAGAWA, M. TAKAGISHI, K. OGAWARA, Y. HIGASHI, K. YAMAGUCHI, A. OYAMA, K. ADYAMA, I. TOYAMA, F. MIYATAKE, S.
R6703-0703	1100	K -10 -03 S -066-003	JA	KAGA JA											248	S	S	NAKAGAWA, M. TAKAGISHI, K. OGAWARA, Y. HIGASHI, K. YAMAGUCHI, A. OYAMA, K. ADYAMA, I. TOYAMA, F. MIYATAKE, S.
R6703-2301	1100	K -10 -03	JA	KAGA JA											248	S	S	NAKAGAWA, M. TAKAGISHI, K. OGAWARA, Y. HIGASHI, K. YAMAGUCHI, A. OYAMA, K. ADYAMA, I. TOYAMA, F. MIYATAKE, S.
R6703-2302	1100	K -10 -03	JA	KAGA JA											248	S	S	NAKAGAWA, M. TAKAGISHI, K. OGAWARA, Y. HIGASHI, K. YAMAGUCHI, A. OYAMA, K. ADYAMA, I. TOYAMA, F. MIYATAKE, S.
R6703-2303	1100	K -10 -03	JA	KAGA JA											248	S	F	NAKAGAWA, M. TAKAGISHI, K. OGAWARA, Y. HIGASHI, K. YAMAGUCHI, A. OYAMA, K. ADYAMA, I. TOYAMA, F. MIYATAKE, S.

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

02/02/72

NSSCC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS										APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0				
R6901-1401	1000	K -10 -04 S -072-001	JA	KAGA JA											229	S	S	OYAMA, K. FUGONO, N. SUITSU, T. NIMURA, H. ABIKO, K. MATSUZAWA, T. SATO, O.
R6901-1402	1000	K -10 -04 S -072-002	JA	KAGA JA											229	S	S	MIYAMOTO, S. HAYAKAWA, S. TANAKA, Y.
R6901-1403	1000	K -10 -04	JA	KAGA JA											229	S	S	MATSUMOTO, T.
R6909-0601	1135	K -10 -05 S -078-001	JA	KAGA JA											247	S	S	NAKAMURA, M. KASHIWAGI, T.
R6909-0602	1135	K -10 -05 S -078-002	JA	KAGA JA											248	S	S	TANABE, H. SAITO, K. ASHIDA, S.
R6909-0603	1135	K -10 -05 S -078-003	JA	KAGA JA											248	S	S	MATSUMOTO, T. NISHIMURA, T.
R6909-0604	1135	K -10 -05 S -078-004	JA	KAGA JA											242	S	S	MAKINO, T. HAGIHARA, Y.
R6909-0605	1135	K -10 -05	JA	KAGA JA											248	S	S	KAWASHIMA, N.
R6909-0606	1135	K -10 -05 S -078-006	JA	KAGA JA											248	S	S	HIRAO, K. OYAMA, K.
R6901-1201	0510	K -10C-01 T -075	JA	KAGA JA											229	S	S	TOHMATSU, T. OGAWA, T.
R6009-1701	0250	K -60 -TW-C08 S -015	JA	AKTA JA											46	S	S	MATSUMOTO, H. TAKEYA, Y. OKUMOTO, T.
R6610-2008	0225	K -9M -20 S -60	JA	KAGA JA											353	S	S	TATEBE, W. NAGATA, T. HIRAO, K.
R6703-0704	2000	K -010-03	JA	KAGA JA											248	S	S	OYA, H. HURUHATA, M. MIYAZAKI, Y.
R5806-3003	0800	K -06	JA	AKTA JA											60	S	S	ODA, M. HAYAKAWA, S.
R6107-2102	0242	K -08 -ID6/TW10	JA	AKTA JA											75	S	S	HATANAKA, T. OYA, H. TAKEYA, Y.
R7108-1801	1200	K -09M-31 S -090-001	JA	KAGA JA											330	S	S	OKUMOTO, T. TATEBE, W. MIYAMOTO, S.
R7108-2601	1035	K -09M-33 S -093-001	JA	KAGA JA											340	S	P	ODA, M. MATSUOKA, M. OGAWARA, Y.
R7108-2602	1035	K -09M-33 S -093-002	JA	KAGA JA											340	S	P	HIRAO, K. OYAMA, K. KATO, S.
																		ASO, T. TSUJII, T.

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

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					1	2	3	4	5	6	7	8	9	0					
R7108-2603	1035	K-09M-33 S-093-003	JA	KAGA JA												340	S	S	NAKAMURA, J. MATSUOKA, T. OHCHI, N. KATO, S. KURIKI, I. TAKEYA, Y. TSUTSUMI, S. SUZUKI, Y. FUKUHARA, T. MATSUTSUMOTO, H.
R7108-2604	1035	K-09M-33 S-093-004	JA	KAGA JA												340	S	S	NISHI, K. HIGASHI, K. YAMAGUCHI, A. OSHIO, T. HIGASHINO, I. SUZUKI, N. MASUOKA, T. WATANABE, N. KIKKAWA, J. TANABE, H. TAKECHI, A. NAKINO, T. YAMAMOTO, H. SEKIGUCHI, H.
R7109-0101	0210	K-10 -06 S-094-001	JA	KAGA JA												228	S	S	NAKAMURA, M. HIRAO, K. OYAMA, K. HEDN, J. S. OLSON, R. FUSANO, N.
R7109-0102	0210	K-10 -06 S-094-002	JA	KAGA JA												228	S	P	NAKAMURA, M. HIRAO, K. OYAMA, K. HEDN, J. S. OLSON, R. FUSANO, N.
R7108-2001	1210	K-10 -07 S-091-001	JA	KAGA JA												271	S	S	NAKAMURA, M. HIRAO, K. OYAMA, K. HEDN, J. S. OLSON, R. FUSANO, N.
R7108-2002	1210	K-10 -07 S-091-002	JA	KAGA JA												274	S	S	NAKAMURA, M. HIRAO, K. OYAMA, K. HEDN, J. S. OLSON, R. FUSANO, N.
R7108-2003	1210	K-10 -07	JA	KAGA JA												274	S	S	NAKAMURA, M. HIRAO, K. OYAMA, K. HEDN, J. S. OLSON, R. FUSANO, N.
R7108-2010	1210	K-10 -07 S-091-004	JA	KAGA JA												271	S	S	NAKAMURA, M. HIRAO, K. OYAMA, K. HEDN, J. S. OLSON, R. FUSANO, N.
R6312-1104	0503	L -02 S -030-001	JA	KAGA JA												402	S	F	NAKAMURA, M. HIRAO, K. OYAMA, K. HEDN, J. S. OLSON, R. FUSANO, N.
R6312-1101	0500	L -02 -02 S -030-001	JA	KAGA JA												402	S	S	NAKAMURA, M. HIRAO, K. OYAMA, K. HEDN, J. S. OLSON, R. FUSANO, N.
R6312-1102	0500	L -02 -02 S -030-002	JA	KAGA JA												402	S	S	NAKAMURA, M. HIRAO, K. OYAMA, K. HEDN, J. S. OLSON, R. FUSANO, N.

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SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

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					1	2	3	4	5	6	7	8	9	0	R		E		
R6312-1103	0503	L -02 -02 S -030-032	JA	KAGA JA						A						402	S	S	TAKEUCHI, E. IMAI, T. OTSUKA, K. OYA, K. TOI, A. SASAKI, H. KIKUCHI, K. MATSUSHIMA, K.
R6501-3101	0501	L -03 -02 S -039-001	JA	KAGA JA						B						1040	S	S	OTA, T. KUBO, T. OKAWA, K. OSHIO, M. MIYAZAKI, S. FUGONO, N. OGATA, T. KODZUMI, T. SEINO, K. SATO, O.
R6501-3102	0501	L -03 -02 S -039-002	JA	KAGA JA						D E						1040	S	S	TAKEUCHI, H. IMAI, T. OTSUKA, Y. OYA, K. TSUTSUMI, M. SAITO, H.
R6501-3103	0501	L -03 -02 S -039-003	JA	KAGA JA						C						1040	S	S	ADYAMA, I. SHIMIZU, Y. IIZUKA, I. TOMIMATSU, T. YOSHIDA, S. OGAWA, T. YAMAGUCHI, T. URIMOTO, S. OYAMA, M.
R6501-3104	0501	L -03 -02 S -039-004	JA	KAGA JA										A		1040	S	S	TAKEUCHI, H. IMAI, T. OTSUKA, Y. OYA, K. TSUTSUMI, M. SAITO, H.
R6501-3105	0501	L -03 -02 S -039-005	JA	KAGA JA						C						334	S	S	TSUKUDA, M. DOKE, T. SASAKI, A. MATSUOKA, M. YAMASHITA, K.
R6501-3106	0501	L -03 -02 S -039-006	JA	KAGA JA									A			334	S	S	
R6503-1807	1007	L -03 -03 S -042-001	JA	KAGA JA						C						1100	S	S	
R6503-1808	1007	L -03 -03 S -042-002	JA	KAGA JA						C						1100	S	S	
R6503-1809	1007	L -03 -03 S -042-003	JA	KAGA JA						A						1100	S	S	

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NSSCC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS		PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0	R		E		
R6503-1810	1007	L -03 -03 S -042-004	JA	KAGA JA												1100	S	S	SHIRO, I. OSHIO, M. MIYAZAKI, S. OHSE, M. SUGIUCHI, H. MATSUMI, H. SATO, O. KAMADA, T. OYA, H. YAMAGUCHI, T. TANAKA, Y. URIMOTO, S. TANABE, S. UNKNOWN FUGONO, N. SHIRO, I. MIYAZAKI, S. KOI ZUMI, T. AGAYAMA, M. UEDA, A. SATO, O. TAKEUCHI, H. INAI, T. OTSUKA, Y. OYA, K. TSUTSUMI, M. IWANAGA, M. TSUKUDA, M. OOKE, T. NAKAMOTO, J. SASAKI, A. TOHMATSU, T. OGAWA, T. TSURUTA, H. IKASAKA, Y. OBAYASHI, T. OYA, H. YAMAKI, H. YAMAMOTO, KIMURA, I.
R6503-1811	1007	L -03 -03 S -042-005	JA	KAGA JA												N/A	S	F	KAMADA, T. OYA, H. YAMAGUCHI, T. TANAKA, Y. URIMOTO, S. TANABE, S. UNKNOWN FUGONO, N. SHIRO, I. MIYAZAKI, S. KOI ZUMI, T. AGAYAMA, M. UEDA, A. SATO, O. TAKEUCHI, H. INAI, T. OTSUKA, Y. OYA, K. TSUTSUMI, M. IWANAGA, M. TSUKUDA, M. OOKE, T. NAKAMOTO, J. SASAKI, A. TOHMATSU, T. OGAWA, T. TSURUTA, H. IKASAKA, Y. OBAYASHI, T. OYA, H. YAMAKI, H. YAMAMOTO, KIMURA, I.
R6603-0501	0350	L -03H-001	JA	KAGA JA												N/A	S	S	SHIRO, I. MIYAZAKI, S. KOI ZUMI, T. AGAYAMA, M. UEDA, A. SATO, O. TAKEUCHI, H. INAI, T. OTSUKA, Y. OYA, K. TSUTSUMI, M. IWANAGA, M. TSUKUDA, M. OOKE, T. NAKAMOTO, J. SASAKI, A. TOHMATSU, T. OGAWA, T. TSURUTA, H. IKASAKA, Y. OBAYASHI, T. OYA, H. YAMAKI, H. YAMAMOTO, KIMURA, I.
R6607-2301	0635	L -03H-02 S -056-002	JA	KAGA JA												1800	S	P	SHIRO, I. MIYAZAKI, S. KOI ZUMI, T. AGAYAMA, M. UEDA, A. SATO, O. TAKEUCHI, H. INAI, T. OTSUKA, Y. OYA, K. TSUTSUMI, M. IWANAGA, M. TSUKUDA, M. OOKE, T. NAKAMOTO, J. SASAKI, A. TOHMATSU, T. OGAWA, T. TSURUTA, H. IKASAKA, Y. OBAYASHI, T. OYA, H. YAMAKI, H. YAMAMOTO, KIMURA, I.
R6607-2303	0635	L -03H-02 S -056-003	JA	KAGA JA												1800	S	S	SHIRO, I. MIYAZAKI, S. KOI ZUMI, T. AGAYAMA, M. UEDA, A. SATO, O. TAKEUCHI, H. INAI, T. OTSUKA, Y. OYA, K. TSUTSUMI, M. IWANAGA, M. TSUKUDA, M. OOKE, T. NAKAMOTO, J. SASAKI, A. TOHMATSU, T. OGAWA, T. TSURUTA, H. IKASAKA, Y. OBAYASHI, T. OYA, H. YAMAKI, H. YAMAMOTO, KIMURA, I.
R6607-2304	0635	L -03H-02 S -056-004	JA	KAGA JA												1800	S	S	SHIRO, I. MIYAZAKI, S. KOI ZUMI, T. AGAYAMA, M. UEDA, A. SATO, O. TAKEUCHI, H. INAI, T. OTSUKA, Y. OYA, K. TSUTSUMI, M. IWANAGA, M. TSUKUDA, M. OOKE, T. NAKAMOTO, J. SASAKI, A. TOHMATSU, T. OGAWA, T. TSURUTA, H. IKASAKA, Y. OBAYASHI, T. OYA, H. YAMAKI, H. YAMAMOTO, KIMURA, I.
R6607-2305	0635	L -03H-02 S -056-005	JA	KAGA JA												N/A	S	S	SHIRO, I. MIYAZAKI, S. KOI ZUMI, T. AGAYAMA, M. UEDA, A. SATO, O. TAKEUCHI, H. INAI, T. OTSUKA, Y. OYA, K. TSUTSUMI, M. IWANAGA, M. TSUKUDA, M. OOKE, T. NAKAMOTO, J. SASAKI, A. TOHMATSU, T. OGAWA, T. TSURUTA, H. IKASAKA, Y. OBAYASHI, T. OYA, H. YAMAKI, H. YAMAMOTO, KIMURA, I.
R6607-2306	0635	L -03H-02 S -056-006	JA	KAGA JA												1800	S	S	SHIRO, I. MIYAZAKI, S. KOI ZUMI, T. AGAYAMA, M. UEDA, A. SATO, O. TAKEUCHI, H. INAI, T. OTSUKA, Y. OYA, K. TSUTSUMI, M. IWANAGA, M. TSUKUDA, M. OOKE, T. NAKAMOTO, J. SASAKI, A. TOHMATSU, T. OGAWA, T. TSURUTA, H. IKASAKA, Y. OBAYASHI, T. OYA, H. YAMAKI, H. YAMAMOTO, KIMURA, I.
R6607-2307	0635	L -03H-02 S -056-007	JA	KAGA JA												1800	S	S	SHIRO, I. MIYAZAKI, S. KOI ZUMI, T. AGAYAMA, M. UEDA, A. SATO, O. TAKEUCHI, H. INAI, T. OTSUKA, Y. OYA, K. TSUTSUMI, M. IWANAGA, M. TSUKUDA, M. OOKE, T. NAKAMOTO, J. SASAKI, A. TOHMATSU, T. OGAWA, T. TSURUTA, H. IKASAKA, Y. OBAYASHI, T. OYA, H. YAMAKI, H. YAMAMOTO, KIMURA, I.
R6607-2308	0635	L -03H-02 S -056-007	JA	KAGA JA												N/A	S	S	SHIRO, I. MIYAZAKI, S. KOI ZUMI, T. AGAYAMA, M. UEDA, A. SATO, O. TAKEUCHI, H. INAI, T. OTSUKA, Y. OYA, K. TSUTSUMI, M. IWANAGA, M. TSUKUDA, M. OOKE, T. NAKAMOTO, J. SASAKI, A. TOHMATSU, T. OGAWA, T. TSURUTA, H. IKASAKA, Y. OBAYASHI, T. OYA, H. YAMAKI, H. YAMAMOTO, KIMURA, I.

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

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					1	2	3	4	5	6	7	8	9	0				
R6607-2309	0635	L -03H-02 S -056-008	JA	KAGA JA									E		1800	S	S	YAMAGUCHI, T. URIMOTO, S. OYAMA, M. TAKEUCHI, H. IMAI, T. IWASAKI, S. IWAMI, T. OKADA, T. MATSUOKA, M. OGAWARA, Y. HAYAKAWA, S. HIGASHINO, I. SASANUMA, M. MASUOKA, T. WATANABE, N. MATSUSHIMA, K.
R6702-0601	0210	L -03H-03 S -065-001	JA	KAGA JA									C		2150	S	S	TSUCHIYA, A. URIMOTO, S. AKUTAGAWA, M. YAMAGUCHI, T. URIMOTO, S. OYAMA, M. YASUZAKI, T. FUJIOKA, N. KONDO, S. OYAMA, K. SATO, O. UYEDA, A. MASUOKA, T. UENO, M. FUJII, M. HISHIDA, Y. KAJIYAMA, K. TOHMATSU, T. OGAWA, T. HAYASHI, T. HASHIMOTO, M. MORI, H.
R6702-0603	1110	L -03H-03 S -065-003	JA	KAGA JA						A		F			N/A	S	S	OGAWA, T. HAYASHI, T. HASHIMOTO, M. MORI, H.
R6702-0604	1110	L -03H-03 S -065-004	JA	KAGA JA									E		N/A	S	P	OGAWA, T. HAYASHI, T. HASHIMOTO, M. MORI, H.
R6702-0605	1110	L -03H-03 S -065-005	JA	KAGA JA									A		2150	S	S	OGAWA, T. HAYASHI, T. HASHIMOTO, M. MORI, H.
R6702-0606	1900	L -03H-03 S -065-006	JA	KAGA JA									A		2150	S	S	OGAWA, T. HAYASHI, T. HASHIMOTO, M. MORI, H.
R6702-0607	1110	L -03H-03 S -065-007	JA	KAGA JA							A				2150	S	S	OGAWA, T. HAYASHI, T. HASHIMOTO, M. MORI, H.
R6702-0608	1110	L -03H-03 S -065-008	JA	KAGA JA									E		430	S	P	OGAWA, T. HAYASHI, T. HASHIMOTO, M. MORI, H.
R7009-1901	1130	L -03H-05	JA	KAGA JA									D		2017	S	S	OGAWA, T. HAYASHI, T. HASHIMOTO, M. MORI, H.
R7009-1902	1130	L -03H-05 S -085-006	JA	KAGA JA									C		2017	S	S	OGAWA, T. HAYASHI, T. HASHIMOTO, M. MORI, H.
R7009-1903	1130	L -03H-05 S -085-002	JA	KAGA JA									E		2017	S	S	OGAWA, T. HAYASHI, T. HASHIMOTO, M. MORI, H.
R7009-1904	1130	L -03H-05 S -085-003	JA	KAGA JA									C		2017	S	S	OGAWA, T. HAYASHI, T. HASHIMOTO, M. MORI, H.
R7009-1905	1130	L -03H-05	JA	KAGA JA									E		2017	P	P	OGAWA, T. HAYASHI, T. HASHIMOTO, M. MORI, H.
R7009-1906	1130	L -03H-05 S -085-007	JA	KAGA JA									C		2017	S	S	OGAWA, T. HAYASHI, T. HASHIMOTO, M. MORI, H.
R7009-1907		L -03H-05 S -085-009	JA	KAGA JA							G				N/A	S	S	OGAWA, T. HAYASHI, T. HASHIMOTO, M. MORI, H.
R7009-1908	1130	L -03H-05	JA	KAGA JA									E		2000	S	F	OGAWA, T. HAYASHI, T. HASHIMOTO, M. MORI, H.
R7009-1909	1130	L -03H-05 S -085-011	JA	KAGA JA									E		329	S	S	OGAWA, T. HAYASHI, T. HASHIMOTO, M. MORI, H.

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					1	2	3	4	5	6	7	8	9	0					
R7009-1910	1130	L -03H-05 S -085-013	JA	KAGA JA					A						329	S	S	TAKEUCHI, H. IMAI, T. WATANABE, S. NAKAI, K. KATO, H. IWASAKI, S. YAMASHITA, K. HAYAKAWA, S. KATO, K. KONO, T. YAMASHITA, K. TSUKUDA, M. YOSHIMORI, M. MURAKAMI, H. NAKAMOTO, A. DOKE, T.	
R7009-1911	1130	L -03H-05 S -085-012	JA	KAGA JA									F		N/A	S	P	YAMASHITA, K. HAYAKAWA, S. KATO, K. KONO, T. YAMASHITA, K. TSUKUDA, M. YOSHIMORI, M. MURAKAMI, H. NAKAMOTO, A. DOKE, T.	
R7009-2001	1130	L -03H-05 S -085-008	JA	KAGA JA					C						2017	S	P	TSUKUDA, M. YOSHIMORI, M. MURAKAMI, H. NAKAMOTO, A. DOKE, T.	
R7001-2101	0210	L -03H-06 S -080-008	JA	KAGA JA									A		350	S	S	YABUKI, H. UKIGAYA, F. EJIRI, M.	
R7001-2102	0210	L -03H-06 S -080-002	JA	KAGA JA					C						1848	S	S	EJIRI, M.	
R7001-2103	0210	L -03H-06 S -080-003	JA	KAGA JA					A						1848	S	S	SUITSU, T. KUBOI, T.	
R7001-2104	0210	L -03H-06	JA	KAGA JA					E						1848	S	S	OYAMA, K.	
R7001-2105	0210	L -03H-06 S -080-005	JA	KAGA JA					X						1848	S	S	TAKEUCHI, H. IMAI, T. WATANABE, S.	
R7001-2106	0210	L -03H-06	JA	KAGA JA									D		1848	S	S	OGAWA, T.	
R7001-2107	0210	L -03H-06	JA	KAGA JA					E						350	S	S	MORI, H.	
R6607-2302	0435	L -03H-0 S -056-001	JA	KAGA JA					C						1800	S	S	MIYAZAKI, S. SHIRO, I. FUGONO, N. KOIZUMI, T. NAGAYAMA, M. UEDA, A.	
R6909-2201	0210	L -045-04 T -085	JA	KAGA JA					D						N/A	F	S	TSUKUDA, M. NAKAMOTO, A. YOSHIMORI, M. MURAKAMI, H.	
R6407-1102	0301	L-03 - T-003-002	JA	KAGA JA					C						N/A	S	S	FUGONO, N. SHIRO, I. OSHIO, M. OSE, M. HASEGAWA, S. HATSUMI, H.	

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					1	2	3	4	5	6	7	8	9	0					
R6407-1101	0301	L-03-01 T-003-001	JA	KAGA JA												1000	S	S	TAKEUCHI, H. IMAI, T. OTSUKA, Y. OYA, K. TSUTSUMI, M. SAITO, H. TOI, A. YOSHINO, H. KIKUCHI, K.
R6407-1103	0301	L-03-01 T-003-003	JA	KAGA JA												857	S	S	AOYAMA, I. IIZUKA, I.
R6407-1104	0301	L-03-01 T-003-004	JA	KAGA JA												420	S	F	QBAYASHI, T. OYA, H. OGAWA, T. URIMOTO, S. TANABA, S.
R6407-1105	0301	L-03-01 T-003-005	JA	KAGA JA												368	S	P	KAMADA, T. YAMAGUCHI, T. TSUCHIYA, T. URIMOTO, S. TANABE, S. OYAMA, M.
R7109-0301	1200	L-03H-07 S-095-001	JA	KAGA JA												1718	S	S	MIRAO, K. OYAMA, K.
R7109-0302	1200	L-03H-07 S-095-002	JA	KAGA JA												1718	S	P	FUGONO, N. SUI TSU, T. WADA, M.
R7109-0303	1200	L-03H-07 S-095-003	JA	KAGA JA												1718	S	P	KIMURA, I. MATSUMOTO, H. HASHIMOTO, K.
R7109-0304	1200	L-03H-07 S-095-004	JA	KAGA JA												1718	S	S	MATSUMOTO, H. UENO, M. MATSUI, Y.
R7109-0305	1200	L-03H-07 S-095-005	JA	KAGA												1718	S	S	KONDO, I. NAGASE, F.
R7109-0306	1200	L-03H-07 S-095-006	JA	KAGA JA												1718	S	S	HAYAKAWA, S. KOHNO, T. NAGASE, F. TANAKA, Y.
R7109-0307	1200	L-03H-07 S-095-007	JA	KAGA JA												1718	S	S	YAMANAKA, C. NAKAI, S. IMAGAWA, T. KASHIWARA, T. IZAWA, Y.
R7109-0308	1200	L-03H-07 S-095-008	JA	KAGA JA												345	S	P	KIMURA, I. MATSUMOTO, H. MIYATAKE, S.
R7109-0309	1200	L-03H-07 S-095-009	JA	KAGA JA												1718	S	P	TAKEYA, Y. MINAMI, S.

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NSSEC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS		PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0	R		E		
R7109-0310	1200	L-03H-07 S-C95-01C	JA	KAGA JA												1718	S	S	MIYAZAKI, S. MORI, H.
R6503-0903	0210	MT-135-04 T -010	JA	KAGA JA				A								53	S	F	ARI ZUMI, N. SUZUKI, S. KOBANE, S.
R6503-1104	0207	MT-135-05 T -011	JA	KAGA JA				A								60	S	S	ARI ZUMI, N. SUZUKI, S. KOBANE, S.
R6503-1105	0707	MT-135-06 T -012	JA	KAGA JA				A								60	S	S	ARI ZUMI, N. SUZUKI, S. KOBANE, S.
R6507-0801	0226	MT-135-07 T -014	JA	KAGA JA				A								50	S	S	ARI ZUMI, N. SUZUKI, S. KOBANE, S.
R6507-0802	1110	MT-135-08 T -015	JA	KAGA JA				A								50	S	F	ARI ZUMI, N. SUZUKI, S. KOBANE, S.
R6507-1201	0207	MT-135-09 T -016	JA	KAGA JA				A								N/A	S	F	ARI ZUMI, N. SUZUKI, S. KOBANE, S.
R6505-2901	0200	MT-135-10 T -025	JA	KAGA JA				A								48	S	S	ARI ZUMI, N.
R6505-2902	0700	MT-135-11 T -026	JA	KAGA JA				A								51	S	S	ARI ZUMI, N. SUZUKI, S. KOBANE, S.
R6601-1806	0210	MT-135-12 T -030	JA	KAGA JA				A								54	S	F	ARI ZUMI, N. SUZUKI, S. KOBANE, S.
R6601-1903	1030	MT-135-13 T -032	JA	KAGA JA				A								49	S	S	YOSHITAKE, M. ARI ZUMI, N. SUZUKI, S.
R6601-1901	0200	MT-135-14 T -031	JA	KAGA JA				A								59	S	S	ARI ZUMI, N. SUZUKI, S. KOBANE, S.
R6604-3001	1120	MT-135-15 T -040	JA	KAGA JA				A								53	S	S	ARI ZUMI, N. SUZUKI, S. KOBANE, S.
R6604-3002	1940	MT-135-16 T -041	JA	KAGA JA				A								54	S	S	ARI ZUMI, N. SUZUKI, S. KOBANE, S.
R6605-0206	0200	MT-135-17 T -042	JA	KAGA JA				A								55	S	S	ARI ZUMI, N. SUZUKI, S. KOBANE, S.
R6608-1801	0200	MT-135-18 T -046	JA	KAGA JA				A								52	S	F	ARI ZUMI, N. SUZUKI, S. KOBANE, S.
R6610-1301	0225	MT-135-19 T -051	JA	KAGA JA				A								44	S	S	ARI ZUMI, N. SUZUKI, S. KOBANE, S.

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					1	2	3	4	5	6	7	8	9	0					
R6701-1901	0200	MT-135-21 T -053	JA	KAGA JA	A											N/A	S	S	ARIZUMI,N. SUZUKI,S. KOBANE,S.
R6701-2201	0200	MT-135-22 T -054	JA	KAGA JA	A											63	S	S	ARIZUMI,N. SUZUKI,S. KOBANE,S.
R6701-2202	0500	MT-135-23 T -055	JA	KAGA JA	A											62	S	S	ARIZUMI,N. SUZUKI,S. KOBANE,S.
R6701-2203	0800	MT-135-24 T -056	JA	KAGA JA	A											59	S	F	ARIZUMI,N. SUZUKI,S. KOBANE,S.
R6701-2401	0200	MT-135-25 T -057	JA	KAGA JA	A											59	S	S	ARIZUMI,N. SUZUKI,S. KOBANE,S.
R6809-1501	0200	MT-135-36	JA	KAGA JA	Y											55	S	S	SAKAI,I. ARIZUMI,N. KOBANE,S.
R6901-0401	0200	MT-135-38 T -070	JA	KAGA JA	A											57	S	S	ARIZUMI,N. SAKAI,I. KOBANE,S.
R6901-0402	0500	MT-135-39 T -071	JA	KAGA JA	A											59	S	S	ARIZUMI,N. SAKAI,I. KOBANE,S.
R6901-0501	0200	MT-135-40 T -072	JA	KAGA JA	A											59	S	S	ARIZUMI,N. SAKAI,I. KOBANE,S.
R6909-0607	0200	MT-135-41 T -082	JA	KAGA JA	A											59	S	S	SHIMIZU,I. SAKAI,I.
R6909-0701	0500	MT-135-42 T -083	JA	KAGA JA	A											57	S	S	SHIMIZU,I. SAKAI,I.
R6909-2702	0500	MT-135-43 T -088	JA	KAGA JA	A											49	S	S	SHIMIZU,I. SAKAI,I.
R6910-1302	0420	MT-135-A -020 T -052	JA	KAGA JA	A											65	S	S	ARIZUMI,N. SUZUKI,S. KOBANE,S.
R6901-0502	0500	MT-135-P -001 T -073	JA	KAGA JA	X											44	S	S	ARIZUMI,N. SAKAI,I. KOBANE,S.
R6909-0702	0200	MT-135-P -002 T -084	JA	KAGA JA	A											53	S	S	SHIMIZU,I. SAKAI,I.
R6909-2701	0205	MT-135-P -003 T -087	JA	KAGA JA	A											52	S	S	SHIMIZU,I. SAKAI,I.
R7001-2201	0500	MT-135-P -004 T -090	JA	KAGA JA	A											53	S	S	SHIMIZU,I. SAKAI,I.
R7001-2301	0220	MT-135-P -005 T -091	JA	KAGA JA	A											53	S	S	SHIMIZU,I. SAKAI,I.
R6701-2402	0800	MT-160-01 T -058	JA	KAGA JA	A											86	S	F	ARIZUMI,N. SUZUKI,S. KOBANE,S.

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					1	2	3	4	5	6	7	8	9	0			
R7001-2302	0500	MT-160-02 T -092	JA	KAGA JA			A							75	S	P	SHIMIZU, I. MISAKI, M.
R6106-1801	0435	S -004	JA	CBAI JA				A						105	S	S	TAKEUCHI, H. IMAI, T. YOSHIZAWA, T. OTSUKA, K. OYA, K.
R6908-0801	1200	S -210-02 T -078-001	JA	KAGA JA							F			101	S	S	MIYAMOTO, S. KITAMURA, T.
R7001-1701	0120	S -210-03 T -089-001	JA	KAGA JA							F			119	S	S	MIYAMOTO, S. KITAMURA, T.
R7101-1601	0200	S -210-04 T -097-001	JA	KAGA JA				E						115	S	S	OYAMA, K. KANAKA, T.
R7101-1602	0200	S -210-04 T -097-002	JA	KAGA JA				B		A				115	S	F	OYAMA, T. OYAMA, F.
R6909-0801	1020	S -300-03 S -079-001	JA	KAGA JA				V						10	S	F	MIMURA, H. OHCHI, N. KURIKI, I.
R7002-1004	0630	S-160-JA-1	JA	DMDU AX				F						70	S	S	HIRASAWA, T. TOMMATSU, T. NAGATA, T. KAWAGUCHI, S.
R5806-2401	1051	VI-TW-1	JA	AKTA JA				Z						25	F	F	UNKNOWN
R5806-3002	1652	VI-TW-2	JA	AKTA JA				Z						50	P	F	UNKNOWN
R6702-0401	2353	ESRO	NE IL	KIRA SW				B						120	S	S	UNKNOWN
R7006-0701	0726	ESROC48/001	NE UK SW	KIRA SW							E			162	S	S	DE JAGER, C. BOWLES, J. A.
R7008-1901	1103	ESROC48/002	NE UK SW	KIRA SW							E			163	S	S	DE JAGER, C. BOWLES, J. A.
R7010-1601	0030	ESROS53/	NE AU UK	WOCM AU							F			209	S	S	DIJKSTRA, J. H. HOHN, D. H. WILSON, R.
R6509-2102	2202	SURINAME-0C2	NE	CORE SM				Z						205	S	S	VELOKAMP, J. DE JAGER, C.
R6509-2302	0253	SURINAME-0C3	NE	CORE SM				Z						205	S	S	VELOKAMP, J. DE JAGER, C.
R6509-2702	0254	SURINAME-0C4	NE	CORE SM				Z						205	S	S	VELOKAMP, J. DE JAGER, C.
R6403-1202	0252		NO	ANDA NO										147	S	S	RIEDLER, W.
R6811-0103	0459		NO UA	ANDA NO				X	X	X				N/A	S	S	LANDMARK, B. MASEIDE, K. ARSNES, K. KANE, J. A.

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					1	2	3	4	5	6	7	8	9	0				
R6811-2701	0142		NO FP	ANDA NO	X	X	X	X							N/A	S	S	LANDMARK,B. FOLKESTAD,K. SKOVLI,G. ARSNES,K. ZHRINGER,J.
R6812-0402	0754		NO FP	ANDA NO	X	X	X	X							135	S	S	LANDMARK,B. ARMSTRONG,R. FOLKESTAD,K. SKOVLI,G. TROIM,J. ARSNES,K.
R6904-0901	2038		NO FP	ANDA NO	X	X	X	X							139	S	S	LANDMARK,B. FOLKESTAD,K. SKOVLI,G. ARSNES,K. ZHRINGER,J.
R6911-2601	0039		NO FP	ANDA NO	X	X	X								107	S	S	LANDMARK,B. RIEDLER,W. ZHRINGER,J.
R6911-3001	0258		NO	ANDA NO	X	X	X								100	S	S	JOHANNESSEN,A.
R7002-0301	2225		NO UA	ANDA NO	X	X	X								283	S	S	EVANS,D. FOLKESTAD,K. MAEHLUM,B. SKOVLI,G. ARMSTRONG,R. BAHNSEN,C.
R7003-0801	0018		NO AS FP SW	ANDA NO	X	X	X								215	S	S	
R7003-1501	1335		NO FP	ANDA NO			X	X							650	S	S	FOLKESTAD,K. KRANKOWSKY,D.
R7003-1801	0245		NO FP	ANDA NO			X	X							665	S	S	FOLKESTAD,K. KRANKOWSKY,D.
R7003-2301	2258		NO AS FP	ANDA NO	X	X	X								103	S	S	FOLKESTAD,K. RIEDLER,W. SKOVLI,G.
R6904-1701	2148	D-002B	NO	ANDA NO	X	X	X	X							329	S	S	HAZER BRUSTON,P.
R6605-2601	1905	D-020	NO FR	ANDA NO			X								N/A	S	S	UNKNOWN
R6605-3101	0012	D-023	NO FR	ANDA NO			X	X							N/A	S	S	UNKNOWN
R6710-0701	1032	DE-030	NO	ANDA NO							F				233	S	S	DE JAGER,C. ZHRINGER,J.
R6710-0402	1312	DE-035	NO	ANDA NO							F				248	S	S	DE JAGER,C. VON ZAHN,U.
R6710-1001	1401	DE-036	NO	ANDA NO							F				2	F	F	DE JAGER,C.

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					1	2	3	4	5	6	7	8	9	0				
R7101-2201	2023	NIKE-TOMAHAWK	NO AS UA	ANDA NO	B C	C	D							0	253	S	S	EVANS,D. FOLKESTAD,K. MAEHLUM,B.N. RIEDLER,W.W. SKOVLI,G.
R7011-1303	2220	NIKE/TOMAHAWK	NO UA AS DE	ANDA NO			Z								214	S	S	KRANKOWSKY,D. EGELAND,A. MAYNARD,N.C. CHRISTOPHERSEN,P. FOLKESTAD,K. BROMMUNDT,G. BAHNSEN,A. RIEDLER,W.
R7008-0401	1105	SPARROW ARCAS	NO	ANDA NO							C D				85	S	S	JOHANNESSEN,A.
R6208-0702	2202	K62-2	PA	KRON PA			K								70	S	S	UNKNOWN
R6603-2402	1531	NASA 10.180 IM REHBAR-11	PA UK UA	SCNM PA			Z								135	S	S	GROVES,G.V. RAHMATULLAH,M. AHMAD,M.S.
R6603-2702	1712	NASA 14.165 IM REHBAR-12	PA UK UA	SCNM PA			Z								190	S	S	GROVES,G.V. RAHMATULLAH,M. AHMAD,M.S.
R6705-0301	1429	REHBAR-15	PA	SCNM PA			V								150	S	S	BLAMONT,J.E. SHAFI AHMAD,M.
R6705-0702	1430	REHBAR-16	PA	SCNM PA			V								150	S	S	BLAMONT,J.E. SHAFI AHMAD,M.
R6803-2301	1504	REHBAR-17	PA FR	SCNM PA			Y V								146	S	S	AHMAD,S. CHANIN,M.L.
R6804-0301	0538	REHBAR-18	PA FR	SCNM PA			V Y								146	S	S	CHANIN,M.L. AHMAD,M.S.
R6902-0901	1346	REHBAR-19	PA	SCNM PA			A C								55	S	F	SHAFI AHMED,M.
R6902-1301	1348	REHBAR-20	PA	SCNM PA			A C								12	S	F	SHAFI AHMED,M.
R7003-2701	1550	REHBAR-21	PA	SONM PA			Z								141	S	S	RAHMATULLAH,M. WITT,W.R. SCOTT,A.F.D.
R7003-2802	1545	REHBAR-22	PA	SCNM PA			Z								141	S	S	RAHMATULLAH,M. WITT,W.R. SCOTT,A.F.D.
R6903-3101	1418	REHNUMA-01	PA	SCNM PA			B								138	S	S	SHAFI-AHMED,M. HANIF,M.
R6705-0505	1449	SHAMPAR-01	PA	SCNM PA			V								423	S	F	BLAMONT,J.E. SHAFI AHMAD,M.
R6803-2902	1520	SHAMPAR-02	PA FR	SONM PA			C								420	S	S	CHANIN,M.L. AHMAD,M.S.
R6602-1602	0430	SUPARCO	PA	SCNM PA			A								64	S	S	RAHMATULLAH,M. JAFRI,S.A.
R6602-1603	1236	SUPARCO	PA	SONM PA			A								60	S	S	RAHMATULLAH,M. JAFRI,S.A.

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					1	2	3	4	5	6	7	8	9	0				
R6603-1601	1510	SUPARCO	PA UK UA	SCNM PA	A										62	S	S	RAHMATULLAH, M. JAFRI, S. A.
R6603-2501	0439	SUPARCO	PA UK UA	SCNM PA	A										66	S	S	RAHMATULLAH, M. JAFRI, S. A.
R6906-2001	1430	SUPARCO	PA	SCNM PA	A										59	S	S	RAHMATULLAH, M. JAFRI, S. A.
R6907-1602	1434	SUPARCO	PA	SCNM PA	A										65	S	S	RAHMATULLAH, M. JAFRI, S. A.
R6907-3001	1445	SUPARCO	PA	SCNM PA	A										64	S	S	RAHMATULLAH, M. JAFRI, S. A.
R6908-1501	1430	SUPARCO	PA	SCNM PA	A										65	S	S	RAHMATULLAH, M. JAFRI, S. A.
R6909-1001	1430	SUPARCO	PA	SCNM PA	A										63	S	S	RAHMATULLAH, M. JAFRI, S. A.
R6910-2202	1410	SUPARCO 47/69	PA	SCNM PA	A										63	F	F	RAHMATULLAH, M. JAFRI, S. A.
R6911-1901	1435	SUPARCO 48/69	PA	SCNM PA	A										64	F	F	RAHMATULLAH, M. JAFRI, S. A.
R6911-2002	1350	SUPARCO 49/69	PA	SCNM PA	A										64	F	F	RAHMATULLAH, M. JAFRI, S. A.
R6912-1701	1210	SUPARCO 50/69	PA	SCNM PA	A										63	F	F	RAHMATULLAH, M. JAFRI, S. A.
R6912-3101	1215	SUPARCO 51/69	PA	SCNM PA	A										N/A	F	F	RAHMATULLAH, M. JAFRI, S. A.
R7001-1402	1300	SUPARCO 52/69	PA	SCNM PA	A										N/A	F	F	RAHMATULLAH, M. JAFRI, S. A.
R7001-1403	1400	SUPARCO 53/69	PA	SCNM PA	A										N/A	F	F	RAHMATULLAH, M. JAFRI, S. A.
R7001-1404	1515	SUPARCO 54/69	PA	SCNM PA	A										56	F	F	RAHMATULLAH, M. JAFRI, S. A.
R7002-1101	1330	SUPARCO 55/70	PA	SCNM PA	A										63	F	F	RAHMATULLAH, M. JAFRI, S. A.
R7003-1101	1515	SUPARCO 56/70	PA	SCNM PA	A										N/A	F	F	RAHMATULLAH, M. JAFRI, S. A.
R7003-1102	1610	SUPARCO 57/70	PA	SCNM PA	A										64	F	F	RAHMATULLAH, M. JAFRI, S. A.
R7003-2801	1640	SUPARCO 58/70	PA	SCNM PA	A										63	F	F	RAHMATULLAH, M. JAFRI, S. A.
R7004-1501	1345	SUPARCO 59/70	PA	SCNM PA	A										N/A	F	F	RAHMATULLAH, M. JAFRI, S. A.
R7004-1502	1445	SUPARCO 60/70	PA	SCNM PA	A										66	F	F	RAHMATULLAH, M. JAFRI, S. A.
R7005-1301	1415	SUPARCO 61/70	PA	SCNM PA	A										64	F	F	RAHMATULLAH, M. JAFRI, S. A.
R7006-1701	1450	SUPARCO 62/70	PA	SCNM PA	A										64	S	S	RAHMATULLAH, M. JAFRI, S. A.
R7007-1501	1505	SUPARCO 63/70	PA	SCNM PA	A										63	S	S	RAHMATULLAH, M. JAFRI, S. A.

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					1	2	3	4	5	6	7	8	9	0					
R6601-1204	1230	SUPARCO-019/66	PA	SCNM PA	A											58	S	S	RAHMATULLAH, M.
R6601-2603	1218	SUPARCO-020/66	PA	SCNM PA	A											61	S	S	RAHMATULLAH, M. JAFRI, S. A.
R6604-1302	1257	SUPARCO-025/66	PA	SCNM PA	A											62	S	S	RAHMATULLAH, M. JAFRI, S. A.
R6605-1805	1415	SUPARCO-026/66	PA	SCNM PA	A											62	S	S	JAFRI, S. A.
R6606-1503	1405	SUPARCO-027/66	PA	SCNM PA	A											64	S	S	JAFRI, S. A.
					X														
R6607-1305	0730	SUPARCO-028/66	PA	SCNM PA	A											60	S	S	JAFRI, S. A.
R6608-1704	1430	SUPARCO-029/66	PA	SCNM PA	A											62	S	S	JAFRI, S. A.
R6610-1202	1420	SUPARCO-031/66	PA	SCNM PA	A											69	S	S	JAFRI, S. A.
R6611-1603	1401	SUPARCO-032/66	PA UA	SCNM PA	A											64	S	S	PURCELL, J. D. JAFRI, S. A.
R6711-2904	0211	SUPARCO-033/67	PA UK	SCNM PA	X											60	S	S	RAHMATULLAH, M. JAFRI, S. A.
R6712-1203	0913	SUPARCO-034/67	PA UK	SCNM PA	X											63	S	S	RAHMATULLAH, M. JAFRI, S. A.
R6208-3102			SW	KREN SW	K	A										N/A	F	F	SOBERMAN, R. K. SMART, D. YAGODA, H.
R6503-0201	2009		SW	ANDA NO				C								95	S	S	UNKNOWN
								B											
R6901-1703	0002		SW	ANDA NO	X	X	X	X								99	S	S	STOFFREGEN, W. DERBLDM, H.
R6901-1801	1923		SW	ANDA NO	X	X	X	X								99	S	S	STOFFREGEN, W. DERBLDM, H.
R6812-0801	1204	AE-007	SW	KIRA SW				A								96	P	S	BOYD, R. L. F. PETERS, B.
								C											
R6712-0602	2121	CE-002	SW	KIRA SW				A								129	S	S	RAWER, K. PETERS, B.
R6702-1601	0737	CE-009	SW	KIRA SW				A								148	S	S	BOYD, R. L. F. PETERSON, O. E.
								E											
R6702-2201	0712	CE-010	SW	KIRA SW				A								145	S	S	BOYD, R. L. F. PETERSON, O. E.
								E											
R6711-2601	1944	CE-017	SW	KIRA SW				A								125	S	S	RAWER, K. PETERS, B.
R6702-0403	2354	CE-022	SW	KIRA SW				B			F					128	S	S	DE JAGER, C. MONFELS, A.
R6707-3104	0031	CE-030	SW	KIRA SW				K								128	P	S	WITT, G.
R6707-3105	0058	CE-031	SW	KIRA SW				K			A					127	P	S	SITTE, K. FECHTIG, H. LINBLAD, B. A.
R6807-3001	2253	CE-031	SW	KIRA SW				G								135	S	S	WITT, G.
R6711-2403	1037	CE-036	SW	KIRA SW				G	A	D						160	S	P	BOYD, R. L. F. BRYANT, D. A. PETERS, B.
R6805-2002	1551	CE-038	SW	KIRA SW							A					135	S	S	
R6806-C701	1526	CE-044	SW	KIRA SW							A					131	S	S	LINBLAD, B. A. GENTNER, W.

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

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NSSCC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0					
R7008-1001	0050	ESROC51/C02	SW FR	KIRA SW	K											154	S	S	WITT,G. ROSSLER,F.
R7103-1502	1755	ESROS87/001	SW NE FP	KIRA SW	V			B								108	S	S	FAHLESON,U.V. PEDERSEN,A. SCHUMANN,G. RAWER,K. HAERENDEL,G.
R7103-2402	1832	ESROS87/002	SW NE FP	KIRA SW	V			B								190	S	S	FAHLESON,U.V. PEDERSEN,A. SCHUMANN,G. RAWER,K. HAERENDEL,G.
R6208-1101	0140	K-62	SW UA	KRCN SW	A			B								105	S	S	ORTNER,J. WITT,G. REY,L.
R6208-0701	0047	K-62-001	SW	KRON SW	K			A B C D								105	S	S	ORTNER,J. WITT,G. REY,L.
R6208-1901	0059	K-62-004	SW UA	KRCN SW	G K			A B C								109	S	S	ORTNER,J. WITT,G. REY,L.
R6208-3101	0058	K-62-005	SW UA	KRON SW	K			A B C D								111	S	S	ORTNER,J. WITT,G. REY,L.
66710-2406	1714		UA PR	AERO PR										X		167	S	S	SAGALYN,R.G.
R4606-2801			UA	WSMR UA				A C								N/A	S	F	SEDDON,J.C.
R4607-0901			UA	WSMR UA				A C								N/A	S	F	SEDDON,J.C.
R4607-1901			UA	WSMR UA				A C								N/A	S	F	SEDDON,J.C.
R4607-3001			UA	WSMR UA				A C								N/A	S	F	SEDDON,J.C.
R4610-1001			UA	WSMR UA				A C								N/A	S	F	SEDDON,J.C.
R4703-0701	1823		UA	WSMR UA				A C								N/A	S	S	SEDDON,J.C.
R4705-1501			UA	WSMR UA				A C								135	F	F	SEDDON,J.C. NKNOWN
R4801-2201	2014		UA	WSMR UA				A C								159	S	P	SEDDON,J.C.
R4808-0601	0137		UA	WSMR UA				A								69	S	S	UNKNOWN
R4901-2801			UA	WSMR UA				A C								61	P	S	SEDDON,J.C. NKNOWN
R4909-2901	1658		UA	WSMR UA												89	S	S	UNKNOWN
R4909-2902	1700		UA	WSMR UA				C								275	S	S	UNKNOWN
R5005-1101	2300		UA	WSMR UA												66	S	S	UNKNOWN

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

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NSSCC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS		PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0	R		E		
R5005-1102	2300		UA	WSMR UA												66	S	S	UNKNOWN
R5005-1201	0300		UA	WSMR UA												61	S	S	UNKNOWN
R5006-2001	1540		UA	WSMR UA												72	S	S	UNKNOWN
R5006-2002	1540		UA	WSMR UA												77	S	S	UNKNOWN
R5008-2001	0700		UA	WSMR UA												59	S	S	UNKNOWN
R5009-0801	0700		UA	WSMR UA												59	S	S	UNKNOWN
R5009-1001	0700		UA	WSMR UA												62	S	S	UNKNOWN
R5011-2101	1718		UA	WSMR UA												172	S	S	SEODON, J. C.
R5103-0801			UA	WSMR UA												N/A	F		UNKNOWN
R5103-2801			UA	WSMR UA												N/A	F		UNKNOWN
R5104-1201			UA	WSMR UA												N/A	F		UNKNOWN
R5106-0701			UA	WSMR UA												N/A	P	P	UNKNOWN
R5106-2801			UA	WSMR UA												N/A	F	S	UNKNOWN
R5107-2501			UA	WSMR UA												N/A	S	S	UNKNOWN
R5108-0701			UA	WSMR UA												N/A	S	S	UNKNOWN
R5108-0702	1800		UA	WSMR UA												220	S	S	
R5108-3001			UA	WSMR UA												N/A	S	S	UNKNOWN
R5109-1301			UA	WSMR UA												N/A	S	S	UNKNOWN
R5109-1302	1137		UA	WSMR UA												60	S	S	UNKNOWN
R5110-1701			UA	WSMR UA												N/A	S	S	UNKNOWN
R5201-3001			UA	WSMR UA												N/A	F	S	UNKNOWN
R5202-1901			UA	WSMR UA												N/A	F	F	UNKNOWN
R5202-2901			UA	WSMR UA												N/A	P	P	UNKNOWN
R5204-2201			UA	WSMR UA												N/A	S	S	UNKNOWN
R5205-0101			UA	WSMR UA												N/A	F	F	UNKNOWN
R5205-1501	0116		UA	WSMR UA												67	S	S	UNKNOWN
R5206-1801			UA	WSMR UA												N/A	F	F	UNKNOWN
R5206-3001			UA	WSMR UA												N/A	S	S	UNKNOWN
R5208-2201			UA	WSMR UA												N/A	F	F	UNKNOWN
R5208-2401	0334		UA	WSMR UA												N/A	F	F	UNKNOWN
R5208-2601			UA	WSMR UA												N/A	F	F	UNKNOWN
R5208-2901	0830		UA	WSMR UA												N/A	S	S	UNKNOWN
R5208-2902	1917		UA	WSMR UA												N/A	S	S	UNKNOWN
R5210-1001			UA	WSMR UA												N/A	S	S	UNKNOWN
R5210-2201			UA	WSMR UA												N/A	S	S	UNKNOWN
R5210-2202	1421		UA	WSMR UA												90	S	S	UNKNOWN
R5211-0601			UA	WSMR UA												N/A	S	S	UNKNOWN
R5212-1101	2347		UA	WSMR UA												75	S	S	UNKNOWN
R5212-1201			UA	WSMR UA												N/A	S	S	UNKNOWN
R5212-1501	2140		UA	WSMR UA												N/A			UNKNOWN
R5302-1801			UA	WSMR UA												N/A	S	S	UNKNOWN
R5304-1401			UA	WSMR UA												N/A	S	S	UNKNOWN
R5304-2301	0933		UA	WSMR UA												81	S	S	UNKNOWN
R5305-2001			UA	WSMR UA												N/A	S	S	UNKNOWN
R5305-2101			UA	HCLM UA												N/A	F	F	UNKNOWN

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

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NSSDC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS										APPROX APOGEE	SUCCESS		PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0		R	E	
R5306-2601			UA	WSMR UA				A							N/A	S	S	UNKNOWN
R5307-0101	1752		UA	WSMR UA				C							N/A			UNKNOWN
R5307-0102			UA	WSMR UA				A							N/A			UNKNOWN
R5307-1401			UA	WSMR UA						X					N/A	F	F	UNKNOWN
R5307-2201			UA	HCLM UA				G							N/A	F	F	UNKNOWN
R5308-0501	2154		UA	WSMR UA											44	S	S	UNKNOWN
R5309-0301	1510		UA	WSMR UA					A						N/A	S	S	UNKNOWN
R5309-1501			UA	WSMR UA				C							N/A	F	F	UNKNOWN
R5309-2901	0500		UA	WSMR UA											54	S	S	UNKNOWN
R5310-0701			UA	HOLM UA						E					N/A	F	F	UNKNOWN
R5311-0201			UA	WSMR UA					A						N/A	F	F	UNKNOWN
R5311-0302			UA	WSMR UA					A						N/A	P	P	UNKNOWN
R5311-0801	1709		UA	WSMR UA											44	S	S	UNKNOWN
R5405-1101			UA	WSMR UA								A			N/A	S	S	UNKNOWN
R5406-0201			UA	WSMR UA						X					N/A	F	F	UNKNOWN
R5407-1401			UA	WSMR UA											N/A	P	P	UNKNOWN
								B										
								C										
								F										
R5407-1901	1600		UA	WSMR UA											43	S	S	UNKNOWN
R5407-1902	1600		UA	WSMR UA											41	S	S	UNKNOWN
R5407-2501	1845		UA	WSMR UA											37	S	S	UNKNOWN
R5408-1001			UA	WSMR UA					A						N/A	F	F	UNKNOWN
R5501-2101			UA	WSMR UA					V						N/A	P	P	UNKNOWN
R5502-0701			UA	WSMR UA					X						N/A	F	F	UNKNOWN
R5502-1001			UA	WSMR UA					X						N/A	F	F	UNKNOWN
R5503-2901			UA	WSMR UA							D				N/A	S	S	UNKNOWN
R5504-0801			UA	WALI UA											N/A	S	S	UNKNOWN
								B										
								C										
								F										
R5504-2101			UA	WSMR UA								A		N/A	S	S	UNKNOWN	
R5506-0601			UA	WSMR UA								A		N/A	S	S	UNKNOWN	
R5506-0901			UA	WALI UA										N/A	S	S	UNKNOWN	
								B										
								C										
								F										
R5506-2301			UA	WSMR UA								A		N/A	F	S	UNKNOWN	
R5506-2401	1804		UA	WSMR UA										79	S	S	UNKNOWN	
R5509-1401			UA	WSMR UA								A		N/A	P	P	UNKNOWN	
R5509-3001			UA	WSMR UA							D			N/A	P	P	UNKNOWN	
R5510-1901	1050		UA	WSMR UA					F					150	S	S	UNKNOWN	
R5510-2501			UA	WSMR UA					J					N/A	S	S	UNKNOWN	
R5512-1301			UA	WSMR UA							D			N/A	S	S	UNKNOWN	
R5603-1401			UA	WSMR UA										N/A	S	S	UNKNOWN	
R5604-1101			UA	WSMR UA					J					N/A	S	S	UNKNOWN	
R5605-0801			UA	WSMR UA					V					N/A	S	S	UNKNOWN	
R5605-1601			UA	WSMR UA										N/A	S	S	UNKNOWN	
R5605-1601			UA	WSMR UA								A		N/A	S	S	UNKNOWN	
R5606-1301			UA	WSMR UA					X					N/A	S	S	UNKNOWN	
R5606-1801			UA	WSMR UA					X					N/A	P	P	UNKNOWN	
R5606-2101			UA	WSMR UA					X					N/A	S	S	UNKNOWN	
R5606-2501			UA	WSMR UA					X					N/A	P	P	UNKNOWN	
R5606-2501	1800		UA	WSMR UA										47	S	S	UNKNOWN	

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

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NSSCC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS										APPROX APOGEE	SUCCESS		PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0		R	E	
R5607-1601			UA	WALI	B									N/A	S	S	UNKNOWN	
R5607-3001			UA	WSMR UA	C									N/A	S	S	UNKNOWN	
R5608-0301			UA	WSMR UA					D					N/A	F	F	UNKNOWN	
R5608-0801			UA	WSMR UA	B									N/A	P	P	UNKNOWN	
					C													
R5610-2001			UA	FTCR CA	F									N/A	S	S	UNKNOWN	
					B													
R5610-2301			UA	FTCR CA	C									N/A	S	S	UNKNOWN	
					F													
R5610-2701			UA		B									N/A	F	F	UNKNOWN	
					C													
R5611-0101			UA	WSMR UA	F									N/A	F	F	UNKNOWN	
R5611-0201			UA		J									N/A	S	S	UNKNOWN	
					B													
					C													
R5611-0202	1840		UA	WSMR UA	F									81	S	S	UNKNOWN	
R5611-0203	1840		UA	WSMR UA										75	S	S		
R5611-0401			UA		B									N/A	S	S	UNKNOWN	
					C													
					F													
R5611-0402	1854		UA	WSMR UA										90	S	S	UNKNOWN	
R5611-0403	1854		UA	WSMR UA										88	S	S		
R5611-0701			UA		B									N/A	P	P	UNKNOWN	
					C													
					P													
R5611-1001			UA		H									N/A	S	S	UNKNOWN	
					F													
					F													
R5611-1002			UA	WSMR UA										89	S	S	UNKNOWN	
R5611-1501	1932		UA	FTCR CA										N/A	S	S	UNKNOWN	
R5611-1701	1848		UA	FTCR CA	F									N/A	S	S	UNKNOWN	
R5611-1702	1848		UA	WSMR UA										39	S	S		
R5612-1301			UA	WSMR UA							A			N/A	S	S	UNKNOWN	
R5702-0201			UA	WSMR UA	J									N/A	S	S	UNKNOWN	
R5704-0901			UA	WSMR UA						A				N/A	F	F	UNKNOWN	
R5706-1801			UA	WSMR UA			X							N/A	P	P	UNKNOWN	
R5706-2501			UA	WSMR UA			X							N/A	P	P	UNKNOWN	
R5707-1601			UA	WSMR UA						A				N/A	S	S	UNKNOWN	
R5707-1801			UA	WSMR UA						A				N/A	F	F	UNKNOWN	
R5707-2902	2200		UA	WSMR UA										12	S	S	UNKNOWN	
R5707-3001			UA	FTCR CA	B									N/A	F	F	UNKNOWN	
					C													
					F													
R5708-0601			UA	WSMR UA					D					N/A	S	S	UNKNOWN	

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

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NSSC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS		PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0	R		E		
R5709-0103	2228		UA	WSMR UA											09	S	S	UNKNOWN	
R5709-1901			UA	WSMR UA	J										N/A	S	S	UNKNOWN	
R5709-2101			UA	WSMR UA	J										N/A	S	S	UNKNOWN	
R5710-0101			UA	FTCR CA	B										N/A	P	P	UNKNOWN	
					C														
					F														
R5710-1401			UA	WSMR UA							A				N/A	S	S	UNKNOWN	
R5710-1601			UA	WSMR UA							A				N/A	P	P	UNKNOWN	
R5710-2301			UA	WSMR UA											N/A	F	F	UNKNOWN	
R5710-2501			UA	WSMR UA	J										N/A	S	S	UNKNOWN	
R5711-0701			UA	WSMR UA											N/A	P	P	UNKNOWN	
R5711-0801			UA	WSMR UA											N/A	F	F	UNKNOWN	
R5711-1001			UA	WSMR UA	J										N/A	S	S	UNKNOWN	
R5711-2001			UA	WSMR UA											N/A	S	F	UNKNOWN	
R5711-2601			UA	WSMR UA	V										N/A	S	S	BEDINGER, J.F.	
R5711-2602			UA	WSMR UA	J										N/A	S	S	UNKNOWN	
R5712-1401			UA	FTCR CA	B										N/A	F	S	UNKNOWN	
					C														
					F														
R5801-2501			UA	FTCR CA	B										N/A	S	S	UNKNOWN	
					C														
					F														
R5801-2502	1912		UA	WSMR UA											90	S	S	UNKNOWN	
R5801-2701			UA	FTCR CA	B										N/A	S	S	UNKNOWN	
					C														
					F														
R5801-2901			UA	FTCR CA	B										N/A	S	S	UNKNOWN	
					C														
					F														
R5801-2902	1906		UA	WSMR UA											81	S	S	UNKNOWN	
R5801-2903	1906		UA	WSMR UA											100	S	S		
R5802-2401			UA	FTCR CA	B										N/A	P	P	UNKNOWN	
					C														
					F														
R5803-0401			UA	FTCR CA	B										N/A	S	F	UNKNOWN	
					C														
					F														
R5803-0402			UA	FTCR CA	B										N/A	S	S	UNKNOWN	
					C														
					F														
R5803-0403	1930		UA	WSMR UA											95	S	S	UNKNOWN	
R5803-0404	1930		UA	WSMR UA											91	S	S		
R5803-1801			UA	WSMR UA											N/A	S	S	UNKNOWN	
R5803-2101			UA	WSMR UA											N/A	F	S	UNKNOWN	
R5803-2401			UA	FTCR CA	B										N/A	S	S	UNKNOWN	
					C														
					F														
R5805-0101			UA	WSMR UA											N/A	S	S	UNKNOWN	
R5805-2001			UA	WSMR UA	J										N/A	S	S	UNKNOWN	
R5805-2101			UA	WSMR UA	J										N/A	S	S	UNKNOWN	

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

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NSSDC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS												APPROX APOGEE	SUCCESS		PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0	R	E				
R5805-2201			UA	WSMR UA	J										N/A	S	S	UNKNOWN		
R5806-0401			UA	WSMR UA					E						N/A	S	S	UNKNOWN		
R5806-2601			UA	WALI UA										A	N/A	P	P	UNKNOWN		
R5807-0301			UA	FTCR UA			C							C	N/A	S	S	UNKNOWN		
R5807-0601			UA	FTCR UA			C							C	N/A	S	S	UNKNOWN		
R5807-1101			UA	FTCR UA			C							C	N/A	P	P	UNKNOWN		
R5807-1501			UA	FTCR CA		B									N/A	S	S	UNKNOWN		
						C														
						F														
R5807-1701			UA	FTCR CA		B									N/A	S	S	UNKNOWN		
						C														
						F														
R5808-1302			UA	WSMR UA			X								N/A	F	S	UNKNOWN		
R5808-1501			UA	WSMR UA			X								N/A	S	S	UNKNOWN		
R5809-1501			UA	WSMR UA		J									N/A	S	S	UNKNOWN		
R5809-1601			UA	WSMR UA		J									N/A	S	S	UNKNOWN		
R5809-1801			UA	WSMR UA		J									N/A	S	S	UNKNOWN		
R5809-2505			UA	WALI UA									A		N/A	S	S	UNKNOWN		
R5810-1401			UA	FTCR CA										A	N/A	S	S	UNKNOWN		
R5810-1402			UA	FTCR CA		B									N/A	S	S	UNKNOWN		
						C														
						F														
R5810-1501			UA	FTCR CA						A					N/A	S	S	UNKNOWN		
R5810-1701			UA	FTCR CA						A					N/A	S	F	UNKNOWN		
R5810-2101			UA	FTCR CA			C					A			N/A	S	S	UNKNOWN		
R5810-2102			UA	FTCR CA								A			N/A	F	F	UNKNOWN		
R5810-2201			UA	FTCR CA								A			N/A	P	F	UNKNOWN		
R5810-2501			UA	FTCR CA								A	C		N/A	S	F	UNKNOWN		
R5810-3101	1959		UA	FTCR CA								A			N/A	S	S	UNKNOWN		
R5811-2301			UA	FTCR CA		F									N/A	S	S	UNKNOWN		
						B														
						C														
						F														
R5902-1101	2300		UA	WSMR UA											50	S	S	UNKNOWN		
R5902-2701			UA	WSMR UA											N/A	F	F	UNKNOWN		
R5903-1202			UA	WSMR UA											N/A	S	S	UNKNOWN		
R5904-0201	0700		UA	WSMR UA											40	S	S	UNKNOWN		
R5904-0202	0700		UA	WSMR UA											44	S	S	UNKNOWN		
R5904-1301			UA	VNBC UA											N/A	F	F	UNKNOWN		
R5905-0601			UA	WSMR UA		G		A							N/A	F	F	UNKNOWN		
R5906-000A			UA	CPKF UA				A							N/A	F	F	UNKNOWN		
R5906-000B			UA	CPKF UA				A							N/A	F	F	UNKNOWN		
R5906-0301			UA	VNBC UA				A							N/A	F	F	UNKNOWN		
R5906-2402			UA	WSMR UA									D		N/A	S	S	UNKNOWN		
R5906-2501			UA	VNBC UA				A							N/A	F	F	UNKNOWN		
R5907-0701			UA	WALI UA											1045	S	S	UNKNOWN		
R5907-2101			UA	CPKF UA				A							N/A	S	S	UNKNOWN		
R5908-000A			UA	CPKF UA			C								N/A	F	F	UNKNOWN		
R5908-0801			UA	CPKF UA						A					N/A	S	S	UNKNOWN		
R5908-1301			UA	VNBC UA				A							N/A	F	F	UNKNOWN		
R5908-1902			UA	VNBC UA				A							N/A	F	F	UNKNOWN		

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

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NSSEC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS		PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0	R		E		
R5908-2901			UA	WSMR UA	C										N/A	S	S	UNKNOWN	
R5909-1501			UA	WSMR UA										C	N/A	S	S	UNKNOWN	
R5909-1601			UA	CPKF UA											N/A	S	S	UNKNOWN	
R5909-1801			UA	EGLN UA										A	N/A	S	S	UNKNOWN	
R5909-2201			UA	CPKF UA											N/A	F	F	UNKNOWN	
R5910-0601			UA	CPKF UA										A	N/A	S	S	UNKNOWN	
R5910-0801	2000		UA	CPKF UA										A	N/A	F	F	UNKNOWN	
R5910-0802	2000		UA	WSMR UA											44	S	S	UNKNOWN	
R5910-2501			UA	WSMR UA											44	S	S	UNKNOWN	
R5910-2701			UA	FTCR UA		X									N/A	F	F	UNKNOWN	
R5910-2901			UA	CPKF UA										A	N/A	F	F	UNKNOWN	
R5911-000A			UA	CPKF UA										A	N/A	S	S	UNKNOWN	
R5911-1001	1200		UA	CPKF UA											N/A	S	S	UNKNOWN	
R5911-1101			UA	WALI UA											N/A	S	S	UNKNOWN	
R5911-2003			UA	CPKF UA										A	N/A	S	S	UNKNOWN	
R5911-3001	0558		UA	VNBC UA											N/A	F	F	UNKNOWN	
R5912-0101			UA	WSMR UA											140	S	S	UNKNOWN	
R5912-0801			UA	CPKF UA										A	N/A	S	S	UNKNOWN	
R5912-1801			UA	CPKF UA										A	N/A	S	S	UNKNOWN	
R5912-1802			UA	CPKF UA										A	N/A	S	S	UNKNOWN	
R6002-0401			UA	CPKF UA										A	N/A	S	S	UNKNOWN	
R6002-1101			UA	VNBC UA											N/A	F	F	YAGODA, H.	
R6002-1201			UA	CPKF UA											N/A	S	S	WALKER, R.G.	
R6002-1602			UA	WSMR UA											N/A	F	F	JURSA, A.	
R6002-2601			UA	EGLN UA										A	N/A	F	F	SOBERMAN, R.	
			UA	CPKF UA										B	N/A	F	F	SMART, D.F.	
																		MCISAAC, J.	
R6003-2201			UA	EGLN UA											N/A	F	F	SOBERMAN, R.	
R6004-1501			UA	CPKF UA										A	N/A	F	F	SWENSON, P.	
R6005-2001			UA	CPKF UA											N/A	F	F	SOBERMAN, R. K.	
R6005-2402			UA	EGLN UA										D	N/A	S	S	HUNTER, R.	
															N/A	S	F	HINTEREGGER, H.E.	
R6005-2403			UA	VNBC UA		C									N/A	P	P	HIGGINS, J.E.	
						X												SMART, D.F.	
						C	X											MCISAAC, J.	
						X												JURSA, A.	
																		SOBERMAN, R.	
R6006-2704			UA	CPKF UA		C									N/A	S	S	SAGALYN, R.G.	
R6006-2705			UA	CPKF UA		X									N/A	S	S	SAGALYN, R.C.	
R6006-2804			UA	EGLN UA		C									N/A	S	S	WALKER, R.G.	
R6007-0102			UA	WSMR UA											N/A	S	F	SAGALYN, R.C.	
							A								N/A	S	F	YAGODA, H.	
R6007-1201			UA	EGLN UA		V									N/A	F	F	SOBERMAN, R.	
R6007-2001			UA	EGLN UA		V									N/A	F	F	ROSENBERG, N.W.	
R6008-0201	0314		UA	WALI UA											550	P	P	ROSENBERG, N.W.	
R6008-0903			UA	CPKF UA		V									N/A	S	S	BERNING, R.W.	
R6008-1002			UA	CPKF UA											N/A	F	F	WALKER, R.G.	
							A								N/A	F	F	SOBERMAN, R.K.	
R6008-3001			UA	EGLN UA		X									N/A	F	F	YAGODA, H.	
																		HINTEREGGER, H.E.	

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

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NSSDC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS		PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0	R		E		
R6009-1601			UA	CPKF UA											N/A	P	P	YAGODA, H. SMART, D. F.	
R6009-1902			UA	CPKF UA											N/A	S	S	WALKER, R. G.	
R6009-1903			UA	FTCR CA			Y								N/A	F	F	FAIRE, A. C.	
R6010-1001			UA	CPKF UA					A						N/A	P	P	YAGODA, H.	
R6010-1101			UA	VNBC UA					A		A				N/A	F	F	SMART, D. F. SOBERMAN, R. SAGALYN, R. G.	
R6010-1201			UA	EGLN UA			V								N/A	S	S	ROSENBERG, N. W.	
R6010-1301	0045		UA	WSMR UA											62	S	S	UNKNOWN	
R6010-2201			UA	CPKF UA											N/A	S	S	WALKER, R. G.	
R6010-2501	2342		UA	WSMR UA											63	S	S	UNKNOWN	
R6010-2601			UA	VNBC UA					A						N/A	F	F	YAGODA, H.	
R6010-2701	2305		UA	WSMR UA											69	S	S	UNKNOWN	
R6010-3101	2300		UA	WSMR UA											69	S	S	UNKNOWN	
R6011-1502			UA	CPKF UA											N/A	S	S	WALKER, R. G.	
R6011-1702	0936		UA	WCOM AU			V								157	S	S	UNKNOWN	
R6011-1704	1006		UA	WSMR UA											152	S	S	UNKNOWN	
R6011-2101	1050		UA	WSMR UA											65	S	S	UNKNOWN	
R6011-2202	1140		UA	WSMR UA											67	S	S	UNKNOWN	
R6011-2902			UA	FTCR CA						X					N/A	S	S	UNKNOWN	
R6012-0601	1844		UA	VNBC UA				X							367	S	S	UNKNOWN	
R6101-0701	2233		UA	CPKF UA							A				1000	F	F	KATZ, L. ATZ, L.	
R6101-2301			UA	CPKF UA											N/A	S	S	HUNTER, R.	
R6102-0101	1219		UA	WSMR UA											62	S	S	UNKNOWN	
R6102-2301			UA	EGLN UA			Y								N/A	S	S	FAUCHER, A. G.	
R6102-2701			UA	EGLN UA							E				N/A	F	F	HINTEREGGER, H. E.	
R6103-1701	1445		UA	WSMR UA											69	S	S	UNKNOWN	
R6103-3102	1443		UA	WSMR UA											60	S	S	UNKNOWN	
R6104-1001	2210		UA	WSMR UA											68	S	S	UNKNOWN	
R6104-1201	0607		UA	CPKF UA					C	A					N/A	F	F	YAGODA, H. KATZ, L. SAGALYN, R. G. ULWICK, J. C.	
R6104-1903	2345		UA	WSMR UA											72	S	S	UNKNOWN	
R6104-2005	1430		UA	WSMR UA											66	S	S	UNKNOWN	
R6105-0401	2147		UA	WSMR UA											55	S	S	UNKNOWN	
R6105-0701			UA	CPKF UA											N/A	F	S	WALKER, R. G.	
R6105-1003	0031		UA	WSMR UA											66	S	S	UNKNOWN	
R6105-1004	0023		UA	WSMR UA											70	S	S	UNKNOWN	
R6105-1005	0615		UA	WSMR UA											64	S	S	UNKNOWN	
R6105-1006	0715		UA	WSMR UA											66	S	S	UNKNOWN	
R6105-1007	1015		UA	WSMR UA											71	S	S	UNKNOWN	
R6105-1008	1110		UA	WSMR UA											70	S	S	UNKNOWN	
R6105-1009	1550		UA	WSMR UA											64	S	S	UNKNOWN	
R6105-1010	1835		UA	WSMR UA											70	S	S	UNKNOWN	
R6105-1011	1650		UA	WSMR UA											65	S	S	UNKNOWN	
R6105-1012	2000		UA	WSMR UA											70	S	S	UNKNOWN	
R6105-1013	2110		UA	WSMR UA											70	S	S	UNKNOWN	

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NSSEC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS										APPROX APOGEE	SUCCESS		PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0		R	E	
R6105-1014	2330		UA	WSMR UA											69	S	S	UNKNOWN
R6105-1015	1946		UA	WSMR UA											68	S	S	UNKNOWN
R6105-1801	2010		UA	WSMR UA											70	S	S	UNKNOWN
R6105-1802	2100		UA	WSMR UA											70	S	S	UNKNOWN
R6105-1803	2130		UA	WSMR UA											71	S	S	UNKNOWN
R6105-1804	2219		UA	WSMR UA											68	S	S	UNKNOWN
R6105-1902	1246		UA	WSMR UA											69	S	S	UNKNOWN
R6105-2502			UA	WSMR UA						E					N/A	F	F	HINTEREGGER, H.E.
R6106-0603	1248		UA	WSMR UA											93	S	S	UNKNOWN
R6106-0604	2148		UA	WSMR UA											93	S	S	UNKNOWN
R6106-0605	2148		UA	WSMR UA											110	S	S	UNKNOWN
R6106-1601	2018		UA	WSMR UA											66	S	S	UNKNOWN
R6106-1602	2153		UA	WSMR UA											68	S	S	UNKNOWN
R6108-0301			UA	VNBC UA						A					N/A	F	F	SMART, D.F. KATZ, L. MCISAAC, J.
R6108-2301	1704		UA	WSMR UA							E				225	S	S	HINTEREGGER, H.E.
R6109-0901			UA						X			A			N/A	F	F	SOBERMAN, R. SHUMAN, B. SAGALYN, R.G. KATZ, L. MCISAAC, J.
R6110-1402			UA	WSMR UA							F				N/A	S	S	SALISBURY, J.W.
R6110-2301			UA	VNBC UA					A						N/A	F	S	YAGODA, H.
R6110-2402			UA	WSMR UA							F				N/A	P	P	SALISBURY, J.W.
R6111-1001			UA	CPKF UA					A						N/A	F	F	YAGODA, H. SMART, D.F.
R6111-1701	1606		UA	WALI UA					E						610	S	S	UNKNOWN
R6112-0702	2315		UA	WSMR UA											132	S	S	
R6112-0802			UA	VNBC UA								A			N/A	P	P	SWENSON, P. GUSTAFSON, P.
R6112-1901			UA	CPKF UA					A			D			N/A	P	P	YAGODA, H. MARCOTTE, L.
R6112-1902			UA	CPKF UA					A			A			N/A	S	S	KATZ, L. SOBERMAN, R. MARCOTTE, L. SAGALYN, R.
R6201-000A			UA	CPKF UA						X					N/A	S	S	SAGALYN, R. SAGALYN, R.C.
R6201-1601			UA	WSMR UA							E				N/A	P	P	HINTEREGGER, H.E.
R6202-0501	2059		UA	WSMR UA											44	S	S	UNKNOWN
R6203-0104	1870		UA	WSMR UA											44	S	S	UNKNOWN
R6203-0105	1878		UA	WSMR UA											N/A	S	S	UNKNOWN
R6203-2303	2125		UA	WALI UA					J						N/A	S	S	NORDBERG, W.P. SMITH, L.G.
R6203-2304	2255		UA	WALI UA					J						N/A	S	S	NORDBERG, W.P. SMITH, L.G.
R6203-2903	0626		UA	WSMR UA											98	S	S	UNKNOWN
R6204-1201			UA	CPKF UA					H						N/A	F	F	ROTMAN, W.
R6205-0601			UA	WALI UA								A			N/A	S	S	SOBERMAN, R.K.

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NSSCC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0					
R6206-0602			UA	WALI UA	V										N/A	S	S	BEDINGER, J.F.	
R6206-0705	0241		UA	WALI UA	Z										N/A	S	S	UNKNOWN	
					V														
R6206-0706	0325		UA	WALI UA	J										N/A	S	S	NORBERG, W. P.	
																		SMITH, L. G.	
R6206-1801			UA	WSMR UA						X					N/A	S	S	SALISBURY, J. W.	
R6206-2701	1410		UA	UA			C								N/A	S	S	UNKNOWN	
R6206-2801	0010		UA	UA			C								N/A	S	S	UNKNOWN	
R6207-0101			UA	JOHI UA		Y									N/A	S	S	FAIRE, A. C.	
R6207-0801			UA	JOHI UA		Y									N/A	S	S	FAIRE, A. C.	
R6207-0901			UA	JOHI UA				D							N/A	S	S	CHAMPION, K.	
R6207-0902			UA	JOHI UA				D							N/A	S	S	CHAMPION, K.	
R6207-0903			UA	JOHI UA				C							N/A	S	S	ULWICK, J. C.	
								D										GALYN, R. G.	
R6207-0904			UA	JOHI UA											N/A	F	F	NARCISI, R. S.	
R6207-0905			UA	JOHI UA				C							N/A	F	F	HINTEREGGER, H. E.	
								D											
R6207-0906			UA	JOHI UA											N/A	F	F	NARCISI, R. S.	
R6207-0907			UA	JOHI UA					X						N/A	F	F	HINTEREGGER, H. E.	
R6207-1901			UA	JOHI UA		Y									N/A	S	S	FAIRE, A. C.	
R6207-2301			UA	JOHI UA											N/A	F	F	NARCISI, R. S.	
R6207-2302			UA	JOHI UA		Y									N/A	S	S	FAIRE, A. C.	
R6207-2601	0303		UA	WSMR UA											66	S	S	UNKNOWN	
R6207-2602	0509		UA	WSMR UA											61	S	S	UNKNOWN	
R6207-2603	0609		UA	WSMR UA											59	S	S	UNKNOWN	
R6207-2701	0911		UA	WSMR UA											66	S	S	UNKNOWN	
R6207-2702	0935		UA	WSMR UA											66	S	S	UNKNOWN	
R6207-2703	1037		UA	WSMR UA											66	S	S	UNKNOWN	
R6207-2704	1145		UA	WSMR UA											68	S	S	UNKNOWN	
R6207-3001	1143		UA	WSMR UA											66	S	S	UNKNOWN	
R6207-3002	1241		UA	WSMR UA											67	S	S	UNKNOWN	
R6208-0601	1744		UA	WSMR UA											67	S	S	UNKNOWN	
R6208-0602	1821		UA	WSMR UA											60	S	S	UNKNOWN	
R6208-0603	2056		UA	WSMR UA											62	S	S	UNKNOWN	
R6208-2702			UA	WSMR UA											68	S	S	UNKNOWN	
R6209-0501	1720		UA	EGLN UA			L								N/A	F	F	HARVEY, R.	
R6209-2401	1711		UA	VNBC UA											306	S	S	UNKNOWN	
R6209-2402	1750		UA	WSMR UA											69	S	S	UNKNOWN	
R6209-2703			UA	WSMR UA											64	S	S	UNKNOWN	
R6210-0701			UA	EGLN UA		G									N/A	S	S	SAGALYN, R. C.	
R6210-0901			UA	EGLN UA		E	V	C							N/A	S	S	ROSENBERG, N. W.	
R6210-1001			UA	VNBC UA					A						N/A	S	S	YAGODA, H.	
R6210-1101			UA	EGLN UA		E	V	C							N/A	S	S	ROSENBERG, N. W.	
R6210-1102	2033		UA	BARS UA			V								N/A	S	S	SMITH, L. B.	
R6210-1201			UA	WSMR UA											67	S	S	UNKNOWN	
R6210-1202	2101		UA	WSMR UA						F					N/A	S	S	SALISBURY, J. W.	
R6210-1203	2132		UA	WSMR UA											67	S	S	UNKNOWN	
R6210-1204	2238		UA	WSMR UA											61	S	S	UNKNOWN	
R6210-1205	2309		UA	WSMR UA											65	S	S	UNKNOWN	
R6210-1302	0013		UA	WSMR UA											61	S	S	UNKNOWN	
															60	S	S	UNKNOWN	

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NSSC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS		PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0	R		E		
R6210-1303	0131		UA	WSMR UA											68	S	S	UNKNOWN	
R6210-1304	0136		UA	WSMR UA											65	S	S	UNKNOWN	
R6210-1305	0214		UA	WSMR UA											65	S	S	UNKNOWN	
R6210-1306	0244		UA	WSMR UA											63	S	S	UNKNOWN	
R6210-1307	0335		UA	WSMR UA											64	S	S	UNKNOWN	
R6210-1308	0352		UA	WSMR UA											62	S	S	UNKNOWN	
R6210-1902			UA	JOHI UA		E	V	C							N/A	S	S	FAIRE, A.C.	
R6210-2101			UA	BARS UA			V								N/A	S	S	SMITH, L.B.	
R6210-2402			UA	EGLN UA				C							N/A	S	S	ULWICK, J.C.	
R6210-2506			UA	JOHI UA											N/A	S	S	ULWICK, J.C.	
								D										GALYN, R.G.	
R6210-2507			UA	JOHI UA				D							N/A	F	F	NARCISI, R.S.	
R6210-2508			UA	JOHI UA				C							N/A	S	S	ULWICK, J.C.	
								D										GALYN, R.G.	
R6210-2509			UA	JOHI UA				C							N/A	F	F	NARCISI, R.S.	
R6210-2510			UA	JOHI UA					D						N/A	S	S	ULWICK, J.C.	
																		GALYN, R.G.	
R6210-2511			UA	JOHI UA											N/A	F	F	NARCISI, R.S.	
R6210-2601			UA	JOHI UA					D						N/A	S	S	CHAMPION, K.	
R6210-2602			UA	VNBC UA			G								N/A	S	S	BLOCK, L.	
R6210-2603			UA	JOHI UA				Y							N/A	S	S	FAIRE, A.C.	
R6210-2701			UA	JOHI UA					Y						N/A	S	S	FAIRE, A.C.	
R6210-2901			UA	BARS UA				V							N/A	S	S	SMITH, L.B.	
R6211-000A			UA	JOHI UA					X						N/A	F	F	HINTEREGGER, H.	
																		INTEREGGER, H.E.	
R6211-0102			UA	JOHI UA				C							N/A	S	S	ULWICK, S.	
								D										SAGALYN, R.G.	
R6211-0103			UA	JOHI UA				C							N/A	S	S	ULWICK, S.	
								D										SAGALYN, R.G.	
R6211-0104			UA	JOHI UA				C							N/A	S	S	ULWICK, S.	
								D										SAGALYN, R.G.	
R6211-0105			UA	JOHI UA				C							N/A	S	S	ULWICK, S.	
								D										SAGALYN, R.G.	
R6211-0106			UA	JOHI UA				Y							N/A	S	S	FAIRE, A.C.	
R6211-0107			UA	JOHI UA					D						N/A	S	S	CHAMPION, K.	
R6211-0204			UA	JOHI UA					D						N/A	S	S	CHAMPION, K.	
R6211-0301			UA	JOHI UA				Y							N/A	S	S	FAIRE, A.C.	
R6211-0401			UA	JOHI UA					D						N/A	S	S	CHAMPION, K.	
R6211-0402			UA	JOHI UA					D						N/A	F	F	CHAMPION, K.	
R6211-0502			UA	VNBC UA						A					N/A	S	S	YAGODA, H.	
R6211-1001			UA	EGLN UA		E	V	C							N/A	S	S	ROSENBERG, N.W.	
R6211-1501			UA	EGLN UA				C							N/A	S	S	ROSENBERG, N.W.	
R6211-2705			UA	EGLN UA			E	V	C						N/A	S	S	ROSENBERG, N.W.	
R6212-0304			UA	EGLN UA			E	V	C						N/A	S	S	ROSENBERG, N.W.	
R6212-0305			UA	EGLN UA			E	V	C						N/A	S	S	ROSENBERG, N.W.	
R6212-0306			UA	EGLN UA			E	V	C						N/A	S	S	ROSENBERG, N.W.	
R6212-0307			UA	EGLN UA			E	V	C						N/A	S	S	ROSENBERG, N.W.	
R6212-0407			UA	EGLN UA				V							N/A	S	S	ROSENBERG, N.W.	
R6212-0701			UA	EGLN UA											N/A	S	S	ROSENBERG, N.W.	
R6212-1001			UA	EGLN UA		E	V	C							N/A	S	S	ROSENBERG, N.W.	

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

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NSSCC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS		PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0	R		E		
R6212-1102			UA	ANDA NO				C							121	S	P	UNKNOWN	
R6212-1401			UA	ANDA NO				C							123	S	S	UNKNOWN	
R6212-1402			UA	EGLN UA	E	V	C								N/A	S	S	ROSENBERG, N.W.	
R6212-1701			UA	VNBC UA					A				D		N/A	F	F	KATZ, L. BLOCK, L.	
R6212-2101			UA	CPKF UA									D		N/A	S	S	BLOCK, L.	
R6212-2201			UA	VNBC UA									D		N/A	F	F	ULWICK, J.C.	
R6302-1401	0030		UA	WSMR UA											155	S	S	UNKNOWN	
R6302-2601			UA	WSMR UA				G							N/A	F	F	NARCISI, R.S.	
R6303-0201	0030		UA	WSMR UA											61	S	S	UNKNOWN	
R6303-2605	0600		UA	WALI UA				B							190	S	S	UNKNOWN	
R6303-2901	0257		UA	WSMR UA											120	S	S	UNKNOWN	
R6303-2902	0257		UA	WSMR UA											102	S	S	UNKNOWN	
R6305-0105	0655		UA	EGLN UA											167	S	S	UNKNOWN	
R6305-1701			UA	EGLN UA	E	V	C								N/A	S	S	ROSENBERG, N.W.	
R6305-1702			UA	EGLN UA	E	V	C								N/A	S	S	ROSENBERG, N.W.	
R6305-2106			UA	FTCR CA				V							N/A	S	S	BEDINGER, J.F.	
R6305-2108			UA	EGLN UA	E	V	C								N/A	S	S	ROSENBERG, N.W.	
R6305-2303			UA	WALI UA											N/A	S	S	MANNING, E.R.	
R6306-1001			UA	WSMR UA											N/A	S	S	SALISBURY, J.W.	
R6306-1801	0328		UA	WSMR UA											120	S	S	UNKNOWN	
R6306-1802	0328		UA	WSMR UA											102	S	S	UNKNOWN	
R6306-2501			UA	WSMR UA				B							150	S	S	WALLACE, R. NIDEY, R.	
R6309-0101	0603		UA	ANDA NO	C		A			D					N/A	S	F	KANE, J.A.	
R6309-1201	0620		UA	ANDA NO			A	C		D					136	S	S	KANE, J.A.	
R6309-2301			UA	EGLN UA	E	V	C								N/A	S	S	ROSENBERG, N.W.	
R6310-000A			UA	CPKF UA								X			N/A	S	S	BLOCK, L.	
R6310-0801	1900		UA	WSMR UA				X							89	S	F	UNKNOWN	
R6310-1003	1600		UA	WSMR UA				X							81	S	S	UNKNOWN	
R6311-2801			UA	CPKF UA								D			N/A	F	F	BLOCK, L.	
R6311-0101			UA	CPKF UA				C				D			N/A	S	S	ULWICK, J.C.	
R6311-0401			UA	WSMR UA				Y							N/A	S	S	FAIRE, A.C.	
R6311-0402			UA	WSMR UA				Y							N/A	S	S	FAIRE, A.C.	
R6311-0601			UA	EGLN UA				G							N/A	F	F	NARCISI, R.S.	
R6312-0501			UA	WSMR UA							X				N/A	F	F	JURSA, A.	
R6312-0801			UA	FTCR CA	X										N/A	F	F	SANDOCK, J.	
R6312-1203			UA	CPKF UA								D			N/A	S	S	BLOCK, L.	
R6312-1302	1900		UA	WSMR UA				X							99	S	S	UNKNOWN	
R6312-1701			UA	VNBC UA								D			N/A	P	P	BLOCK, L.	
R6401-1504			UA	CPKF UA								D			N/A	P	P	BLOCK, L.	
R6401-3001	0309		UA	WALI UA								C			N/A	S	S	UNKNOWN	
R6402-1304	1828		UA	CPKF UA				V							N/A	S	S	UNKNOWN	
R6402-1305	2145		UA	CPKF UA				V							N/A	S	S	UNKNOWN	
R6402-1403	2103		UA	CPKF UA				V							N/A	S	S	UNKNOWN	
R6402-1801			UA	WSMR UA				Y							N/A	S	S	FAIRE, A.C.	
R6402-1901	2130		UA	WSMR UA				Y							N/A	S	S	FAIRE, A.C.	

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					1	2	3	4	5	6	7	8	9	0					
R6403-1201	0300		UA	ANDA NO			A	C								146	P	P	KANE, J. A.
R6403-1301			UA	CPKF UA												N/A	P	P	HUTCHINSON, R.
R6403-1501	0244		UA	ANDA NO			A	C								134	S	S	KANE, J. A.
							C												
							D												
							E												
R6403-1901	1542		UA	ANDA NO			A	C		F						139	S	S	KANE, J. A.
							C												
R6403-2302			UA	CPKF UA												N/A	S	S	ULWICK, J. C.
																			OCK, L.
R6403-2800	2315		UA													N/A	S	S	BOWLES
R6403-3101	0715		UA	WSMR UA												64	S	S	UNKNOWN
R6404-000A			UA	CPKF UA												N/A	S	S	BLOCK, L.
R6404-0101			UA	CPKF UA												N/A	P	P	BLOCK, L.
																			NEWMAN, P.
R6404-0300	0550		UA													N/A	S	S	BOWLES
R6404-0801	0409		UA	WSMR UA												64	S	S	UNKNOWN
R6404-0802	1825		UA	WSMR UA												64	S	S	UNKNOWN
R6404-1506	1645		UA	WSMR UA												64	S	S	UNKNOWN
R6404-2102			UA	VNBC UA												N/A	F	F	MULLEN, J. P.
R6405-0703	0231		UA	WSMR UA												110	S	S	UNKNOWN
R6405-1201	1125		UA	WSMR UA												120	S	S	UNKNOWN
R6405-1202	1125		UA	WSMR UA												107	S	S	UNKNOWN
R6405-1701			UA	CPKF UA												N/A	S	S	ROSENBERG, N. W.
R6405-1702			UA	CPKF UA												N/A	S	S	ROSENBERG, N. W.
R6405-2001			UA	WSMR UA												N/A	F	F	SOBERMAN, R. K.
R6405-2601			UA	WSMR UA												N/A	F	F	SALISBURY, J. W.
R6406-0901			UA	VNBC UA												N/A	S	S	FAUCHER, A. G.
R6406-1701	0101		UA	WSMR UA												120	S	S	UNKNOWN
R6406-1702	0110		UA	WSMR UA												102	S	S	UNKNOWN
R6406-1703	1600		UA	WSMR UA												64	S	S	UNKNOWN
R6406-1801			UA	VNBC UA												N/A	S	S	ULWICK, J. C.
R6406-2602			UA	VNBC UA												N/A	F	F	UNKNOWN
R6407-0502			UA	WSMR UA												N/A	S	S	FAIRE, A. C.
R6407-1702			UA	CPKF UA												N/A	F	F	ROSENBERG, N. W.
R6407-2901			UA	WSMR UA												N/A	S	S	FAIRE, A. C.
R6408-000A			UA	VNBC UA												N/A	S	S	BLOCK, L.
R6408-0802	1000		UA	FTCR CA												N/A	S	S	UNKNOWN
R6408-1001			UA	KRON SW												N/A	S	S	SOBERMAN, R. K.
R6408-1902	1951		UA	EGLN UA												N/A	S	S	UNKNOWN
R6408-2101	1939		UA	EGLN UA												N/A	S	S	UNKNOWN
R6408-2401	1846		UA	EGLN UA												N/A	S	S	UNKNOWN
R6408-2602			UA	EGLN UA												N/A	F	F	HARVEY, R.
R6408-2801			UA	EGLN UA												N/A	S	S	UNKNOWN
R6409-000A			UA	VNBC UA												N/A	F	F	BLOCK, L.

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					1	2	3	4	5	6	7	8	9	0						
R6409-1501	0535		UA	WSMR UA								B	B		130	S	S	UNKNOWN		
R6409-1802			UA	VNBC UA											D	N/A	F	F	ROSENBERG, N.W. ULWICK, J.C. SAGALYN, R.C.	
R6409-2301	1500		UA	WSMR UA											64	S	S			
R6410-000A			UA	VNBC UA											D	N/A	S	S	BLOCK, L.	
R6410-1501			UA	EGLN UA												N/A	S	S	UNKNOWN	
R6410-2202			UA	EGLN UA												N/A	S	S	UNKNOWN	
R6411-0401			UA	WALI UA												867	S	S	FASTIE, W.C.	
R6411-1802			UA	EGLN UA												N/A	F	F	ROSENBERG, N.W.	
R6411-1906			UA	EGLN UA												N/A	F	F	ROSENBERG, N.W.	
R6501-000A			UA	VNBC UA												N/A	S	S	LOVETT, J.	
R6501-2801			UA	CPKF UA												N/A	F	F	HUTCHINSON, R.	
R6502-1701	1904		UA	CPKF UA												N/A	S	S	UNKNOWN	
R6502-1802			UA	EGLN UA												N/A	S	S	ROSENBERG, N.W.	
R6502-2301	1715		UA	EGLN UA												200	S	S	UNKNOWN	
R6502-2302			UA	EGLN UA												N/A	S	S	FAIRE, A.C.	
R6502-2401	1508		UA	CPKF UA												N/A	S	S	UNKNOWN	
R6502-2501			UA	EGLN UA												N/A	F	F	ROSENBERG, N.W.	
R6502-2601	1830		UA	CPKF UA												N/A	S	S	UNKNOWN	
R6502-2603			UA	EGLN UA												150	S	S	UNKNOWN	
R6502-2604	1210		UA	EGLN UA												N/A	S	S	FAIRE, A.C.	
R6502-2705			UA	FTCR CA												N/A	S	S	BEDINGER, J.F.	
R6503-000A			UA	VNBC UA												N/A	S	S	BLOCK, L.	
R6503-0101	1312		UA	ANDA NO												95	S	S	UNKNOWN	
R6503-0202			UA	ANDA NO												90	S	S	UNKNOWN	
R6503-0204	2009		UA	WSMR UA												N/A	S	S	HINTEREGGER, H.E.	
R6503-0401			UA	WSMR UA												N/A	S	S	HINTEREGGER, H.E.	
R6503-0502			UA	CPKF UA												N/A	S	S	UNKNOWN	
R6503-1002	1542		UA	CPKF UA												N/A	S	S	UNKNOWN	
R6503-1705			UA	CPKF UA												N/A	S	S	UNKNOWN	
R6503-2404	1745		UA	CPKF UA												N/A	S	S	UNKNOWN	
R6503-3003			UA	CPKF UA												N/A	S	S	UNKNOWN	
R6503-3102	1701		UA	CPKF UA												16500	S	S	UNKNOWN	
R6504-0701			UA	CPKF UA												N/A	S	S	UNKNOWN	
R6504-1402	1744		UA	CPKF UA												N/A	S	S	UNKNOWN	
R6504-1701			UA	CPKF UA												N/A	S	S	UNKNOWN	
R6504-2101	1715		UA	CPKF UA												N/A	S	S	UNKNOWN	
R6504-2803			UA	CPKF UA												N/A	S	S	UNKNOWN	
R6505-000A			UA	VNBC UA												N/A	S	S	LOVETT, J.	
R6505-1201	1900		UA	CPKF UA												N/A	S	S	UNKNOWN	
R6505-1202			UA	CPKF UA												N/A	S	S	KATZ, L.	
R6506-0204	1700		UA	CPKF UA												N/A	S	S	UNKNOWN	
R6506-1101			UA	CPKF UA												N/A	S	S	UNKNOWN	

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					1	2	3	4	5	6	7	8	9	0	R		E		
R6506-1102			UA	CPKF UA	Y											N/A	S	S	UNKNOWN
R6506-1602	1800		UA	CPKF UA	V											N/A	S	S	UNKNOWN
R6506-2307	1725		UA	CPKF UA	V											N/A	S	S	UNKNOWN
R6506-2902			UA	EGLN UA	G											N/A	P	P	NARCIST, R.S.
R6506-3002	1503		UA	CPKF UA	V											N/A	S	S	UNKNOWN
R6507-0703			UA	CPKF UA	Y											N/A	S	S	UNKNOWN
R6507-1403			UA	CPKF UA	A											N/A	S	S	UNKNOWN
R6507-2104			UA	CPKF UA	Y											N/A	S	S	UNKNOWN
R6507-2302			UA	CPKF UA	A											N/A	S	S	UNKNOWN
R6507-2901			UA	CPKF UA	Y											N/A	S	S	UNKNOWN
R6508-1301			UA	CPKF UA	A											N/A	S	S	UNKNOWN
R6508-1802			UA	CPKF UA	Y											N/A	S	S	UNKNOWN
R6508-2502			UA	CPKF UA	A											N/A	S	S	UNKNOWN
R6509-0201			UA	VNBC UA	Y											N/A	F	F	WONG, M. AARONS, J. ULWICK, J.C. BLOCK, L.
R6509-0902			UA	CPKF UA	A											N/A	S	S	UNKNOWN
R6509-1703			UA	CPKF UA	Y											N/A	S	S	UNKNOWN
R6509-2202			UA	CPKF UA	A											N/A	S	S	UNKNOWN
R6509-2402			UA	WSMR UA	X											N/A	P	P	CUNNIFF, C.
R6509-2903			UA	WSMR UA	E											200	S	S	PIPER, J.L. HARWIT, M.O. MCNUTT, D.P. FELDMAN, P.D. SHIVANANDAN, K.
R6509-2904			UA	CPKF UA	Y											N/A	S	S	UNKNOWN
R6510-0603			UA	CPKF UA	A											N/A	S	S	UNKNOWN
R6510-1305			UA	CPKF UA	Y											N/A	S	F	UNKNOWN
R6510-1701			UA	FTWW UA	X											N/A	S	S	ULWICK, J.C.
R6510-2003			UA	CPKF UA	Y											N/A	S	S	UNKNOWN
R6510-2501	0400		UA	WSMR UA	J											N/A	S	S	UNKNOWN
R6510-2703			UA	CPKF UA	Y											N/A	S	F	UNKNOWN

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					1	2	3	4	5	6	7	8	9	0		R	E	
R6510-2901	1130		UA	WSMR UA											N/A	S	S	UNKNOWN
R6511-0101			UA	CPKF UA	Y										N/A	S	S	UNKNOWN
R6511-0801			UA	CPKF UA	Y										N/A	S	F	UNKNOWN
R6511-0905			UA	WSMR UA	A										N/A	F	F	SALISBURY, J. W.
R6511-1705			UA	CPKF UA	Y										N/A	S	S	UNKNOWN
R6511-1706			UA	EGLN UA	A										N/A	S	S	NARCISI, R. S. SAGALYN, R. C.
R6511-2403	0206		UA	WSMR UA	J										N/A	S	S	UNKNOWN
R6511-2404			UA	CPKF UA	Y										N/A	S	S	UNKNOWN
R6511-2901			UA	CPKF UA	A										N/A	S	S	UNKNOWN
R6512-0802			UA	CPKF UA	Y										N/A	S	S	UNKNOWN
R6512-1701			UA	CPKF UA	A										N/A	S	S	UNKNOWN
R6512-2201			UA	CPKF UA	Y										N/A	S	S	UNKNOWN
R6601-0501			UA	CPKF UA	A										N/A	S	S	UNKNOWN
R6601-1203			UA	CPKF UA	Y										N/A	S	F	UNKNOWN
R6601-1904			UA	CPKF UA	A										N/A	S	S	UNKNOWN
R6601-2702			UA	CPKF UA	Y										N/A	S	S	UNKNOWN
R6602-1008			LA	VNBC UA	A										N/A	S	S	LOVETT, J.
R6602-1801			UA	VGBJ PR											N/A	S	S	ROSENBERG, N. W.
R6602-1902			UA	CPKF UA	Y										N/A	S	S	UNKNOWN
R6602-2501			UA	CPKF UA	A										N/A	S	S	UNKNOWN
R6602-2603			UA	CPKF UA	Y										N/A	S	S	UNKNOWN
R6603-1201			UA	WSMR UA	A										N/A	S	S	UNKNOWN
R6603-3004			UA	VNBC UA	J										N/A	P	P	SANDOCK, J. SAGALYN, R. C. NEWMAN, P.
R6604-1001			UA	CPKF UA											N/A	F	F	LOVETT, J.
R6606-1703			UA	EGLN UA	V										N/A	S	S	ROSENBERG, N. W.
R6606-2401			UA	EGLN UA	V										N/A	P	P	ROSENBERG, N. W.
R6606-2402			UA	EGLN UA	V										N/A	S	S	ROSENBERG, N. W.
R6606-2601			UA	ANDA NO											N/A	S	S	NEWMAN, P.
R6607-0401			UA	CPKF UA	Y										N/A	S	S	UNKNOWN
R6607-0501			UA	CPKF UA	A										N/A	S	S	LOVETT, J.

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NSSDC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS		PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	10	R		E		
R6607-0601			UA	CPKF UA	Y											N/A	S	S	UNKNOWN
R6607-1304			UA	VNBC UA	A											N/A	S	S	NEWMAN, P. HECKSHER, J.
R6608-0101			UA	WSMR UA	Y											N/A	S	S	FAIRE, A. C.
R6608-0102			UA	WSMR UA	Y											N/A	S	S	FAIRE, A. C.
R6608-0201			UA	EARS UA	X											100	S	S	UNKNOWN
R6608-0601			UA	WSMR UA	Y											N/A	S	S	FAIRE, A. C.
R6608-0602			UA	WSMR UA	Y											N/A	F	F	FAIRE, A. C.
R6608-2403			UA	CPKF UA	Y											N/A	S	S	UNKNOWN
R6608-2502			UA	CPKF UA	Y											N/A	S	S	UNKNOWN
R6610-1101	2322		UA	WSMR UA	A											N/A	S	S	UNKNOWN
R6611-1501	1355		UA	CASS BR												N/A	S	S	UNKNOWN
R6611-1801	1644		UA	HAMM AL	V											N/A	S	S	UNKNOWN
R6611-1901	1644		UA	HAMM AL	V											N/A	S	S	UNKNOWN
R6611-2001	1653		UA	COLB AL	V											N/A	S	S	UNKNOWN
R6612-1006	0900		UA	FTCR CA	A											N/A	S	S	UNKNOWN
R6612-1007	0352		UA	WALI UA	C											N/A	S	S	UNKNOWN
R6612-1008	0400		UA	WSMR UA	A											N/A	S	S	UNKNOWN
R6612-1009	0628		UA	EGLN UA	C											N/A	S	S	UNKNOWN
R6612-1010	0337		UA	ANTA UA	A											N/A	S	S	UNKNOWN
R6612-1011	0630		UA	FTSM UA	C											N/A	S	S	UNKNOWN
R6612-1012	0242		UA	WALI UA	A											N/A	S	S	UNKNOWN
R6701-2301	0700		UA	WSMR UA	Y											90	S	S	UNKNOWN
R6701-2302	1000		UA	WSMR UA	Y											108	S	S	UNKNOWN
R6701-2303	1300		UA	WSMR UA	Y											82	S	S	UNKNOWN
R6701-2304	1925		UA	WSMR UA	Y											108	S	S	UNKNOWN
R6701-2601	1845		UA	WSMR UA	Y											104	S	S	UNKNOWN
R6702-1401	1714		UA	WALI UA												N/A	S	S	UNKNOWN
R6703-0501	2100		UA	EGLN UA	Y											N/A	S	S	UNKNOWN
R6706-0000	0000		UA	WSMR UA												N/A	S	S	UNKNOWN
R6706-0901	0415		UA	UA												N/A	S	S	UNKNOWN
R6707-0701	2306		UA	WSMR UA												N/A	S	S	UNKNOWN
R6707-0901	0415		UA	WSMR UA												N/A	S	S	UNKNOWN
R6708-0302	1110		UA	FTBO UA	Z											N/A	S	S	UNKNOWN
R6710-1302	0450		UA NO	ANDA NO												87	S	S	FOLKESTAD, K. LANDMARK, B. SKOVLI, G. KANE, J. A.
R6712-0000	0000		UA	WSMR UA												N/A	S	S	UNKNOWN

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NSSDC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS		PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0	R		E		
R6712-0500			UA												X	N/A	S	S	UNKNOWN
R6712-0505	1130		UA	WSMR UA												137	S	S	UNKNOWN
R6712-1305	0640		UA	EGLN UA												N/A	S	S	UNKNOWN
R6802-0108	1900		UA	FTCR CA												N/A	S	S	UNKNOWN
R6802-2903	1530		UA	WSMR UA												170	S	S	SHIVANANDAN,K.
R6802-2001	0330		UA	WSMR UA												170	S	S	UNKNOWN
R6803-1201	1115		UA												X	61	P	P	UNKNOWN
R6805-1501	0638		UA	EARS UA												100	S	S	HARRI,J. CORNELL,C.
R6805-1901	0616		UA	EARS UA											X	147	S	S	UNKNOWN
R6808-2301	0548		UA	TCNM UA												187	S	S	UNKNOWN
R6809-1701	2003		UA	FTBD UA												N/A	S	S	UNKNOWN
R6810-1002	1900		UA	WSMR UA											J	N/A	S	S	UNKNOWN
R6810-2901	1132		UA	JCHI UA												320	S	S	UNKNOWN
R6811-0201	1617		UA	FTCR CA												N/A	S	S	MEGILL,L.R. WHIPPLE,E.C.
R6811-0202	2150		UA	FTCR CA												N/A	S	S	MEGILL,L.R. WHIPPLE,E.C.
R6811-0704	0445		UA	JCHI UA											X	314	S	S	UNKNOWN
R6812-0505			UA	WSMR UA												N/A	S	S	GORENSTEIN,P. GURSKY,H. KELLOGG,E.H. GIACCONI,R.
R6812-0601	0605		UA	WSMR UA												N/A	S	S	UNKNOWN
R6812-1203	2108		UA	WALI UA												N/A	S	S	UNKNOWN
R6812-1204	2308		UA	WALI UA												N/A	S	S	UNKNOWN
R6812-1306	0659		UA	FTBD UA												N/A	S	S	UNKNOWN
R6901-2001	1900		UA	FTSM UA												81	S	S	UNKNOWN
R6901-2103	1700		UA	FTSM UA												84	S	S	UNKNOWN
R6901-2202	0515		UA	FTSM UA												77	S	S	UNKNOWN
R6901-2203	1110		UA	FTSM UA												74	S	S	UNKNOWN
R6901-2204	1730		UA	FTSM UA												76	S	S	UNKNOWN
R6901-2205	2300		UA	FTSM UA												77	S	S	UNKNOWN
R6901-2311	0503		UA	FTSM UA												81	S	S	UNKNOWN
R6901-2312	1700		UA	FTSM UA												83	S	S	UNKNOWN
R6901-2403	1701		UA	FTSM UA												80	S	S	UNKNOWN
R6901-2710	1600		UA	FTSM UA												83	S	S	UNKNOWN
R6502-2901	0930	5.406	UA	EGLN UA												N/A	P	P	UNKNOWN
R6911-0312	1840	7.395	UA	FTCR CA												46	S	S	UNKNOWN
R6911-0313	2245	17.611	UA	FTCR CA												83	S	S	UNKNOWN
R6604-0102	1330	30.752	UA	FTCR CA												N/A	F	F	UNKNOWN
R7111-0901	1900	A03.C02-03	UA	WSMR UA												219	S	S	HIGGINS,J.E.
R7111-0902	1900	A03.C02-04	UA	WSMR UA												215	S	S	MANSON,J.E.
R7110-1601	0231	A03.910-01	UA	WSMR UA												215	S	S	D'NEIL,R.R.
R7103-1602	1900	A04.C02-02	UA	WSMR UA												270	S	S	HIGGINS,J.E. HINTEREGGER,H.E. CHAGNON,C.W.

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					1	2	3	4	5	6	7	8	9	0		R	E	
R7110-2901	1009	A04.004-05	UA	WSMR UA	E										158	S	S	WALKER, R. W.
R7111-0301	1230	A04.012-01	UA	WSMR UA	X										251	P	P	TOOLIN, R. B.
R7109-2701	0530	A07.017-01	UA	WSMR UA	F										170	S	S	COHEN, H. A.
R7110-0604	1105	A07.101-02	UA	WALI UA				D							117	S	P	NARCISI, R. S.
R7110-0602	1011	A07.101-03	UA	WALI UA				D							118	S	S	NARCISI, R. S.
R7110-0603	1044	A07.101-04	UA	WALI UA				D							119	S	S	NARCISI, R. S.
R7110-0503	2233	A07.101-05	UA	WALI UA	F										117	S	S	PHILBRICK, C. R.
					G													
R7110-0701	0045	A07.101-06	UA	WALI UA	F										119	S	S	PHILBRICK, C. R.
					G													
R7110-0504	2242	A07.102-04	UA	WALI UA	F										232	S	S	FAIRE, A. C.
					G													
R7110-0601	1000	A07.902-06	UA	WALI UA				D							120	S	S	NARCISI, R. S.
R7110-0502	2232	A07.913-06	UA	WALI UA	F										189	S	S	WEEKS, L. H.
					G													
R7110-0505	2203	A07.913-06	UA	WALI UA	F										222	P	P	FAIRE, A. C.
					G													
R7109-2101	0530	A07.914-01	UA	WSMR UA	F										167	S	P	COHEN, H. A.
R7110-0501	1830	A08.103-02	UA	WALI UA	F										272	S	S	WEEKS, L. H.
					G													
R7008-2101	0117	A16.010-03	UA	FTCR CA				A							N/A	F	F	HARVEY, R. LEWIS, E. HARRISON, R. FIELDS, V.
R7103-2401	0526	A18.006-03	UA	FTCR CA	B										387	S	S	STAIR, A. T.
					C													
R7105-1804	0241	A18.006-03	UA	EGLN UA				V							203	S	S	GOLOMB, D.
R7004-0401	1628	A18.903-03	UA	EGLN UA						E					354	S	F	HINTEREGGER, H. E. HIGGINS, J. E. CHAGNON, C. W.
R6905-2701	0246	A30.900-01	UA	FTCR CA	G										397	S	S	ROSENBERG, N. W.
R6911-0202	2211	A30.900-02	UA	FTCR CA	G										96	S	S	WEEKS, L. H.
R6911-0403	2206	A30.900-03	UA	FTCR CA	G										99	S	S	WEEKS, L. H.
R6805-0201	0915	AG07.644	UA	AREC PR	V										218	S	S	ROSENBERG, N. W.
R5709-0102	2228	AM04.001	UA CA	FTCR CA	B										58	S	S	UNKNOWN
					C													
					F													
R5707-3002	1810	AM06.032	UA CA	FTCR CA	B										8	F	F	UNKNOWN
					C													
					F													
R6908-1502	1456	A001.903-01	UA	WSMR UA						D					211	S	S	HINTEREGGER, H. E. HIGGINS, J. E. CHAGNON, C. W.
R7007-2601	0435	A004.004-01	UA	WSMR UA							B				143	S	S	UNKNOWN
R5708-0502	1153	II 5.01(56)	UA	MOLO AX											N/A	S	F	UNKNOWN
R5708-0503	1658	II 5.02(57)	UA	MOLO AX											N/A	F	F	UNKNOWN
R5708-0602	1052	II 5.03(58)	UA	MOLO AX	B										45	S	S	UNKNOWN
R5708-0603	1603	II 5.04(59)	UA	MOLO AX											45	S	S	UNKNOWN
R5708-0701	0228	II 5.05(60)	UA	MOLO AX					A						N/A	F	S	UNKNOWN
R5708-0702	2204	II 5.06(61)	UA	MOLO AX											N/A	F	F	UNKNOWN

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					1	2	3	4	5	6	7	8	9	0	R		E		
R5706-0801	0717	II 5.07(62)	UA	MOLO AX												48	S	S	UNKNOWN
R5708-1001	0300	II 5.08(63)	UA	MOLO AX												48	S	S	UNKNOWN
R5708-1002	2336	II 5.09(64)	UA	MOLO AX												43	S	S	UNKNOWN
R5708-1101	0916	II 5.10(65)	UA	MOLO AX												N/A	F	F	UNKNOWN
R5708-1102	2030	II 5.11(66)	UA	MOLO AX												N/A	S	F	UNKNOWN
R5708-1202	0748	II 5.12(67)	UA	MOLO AX												N/A	F	S	UNKNOWN
R5710-1402	2116	II 5.54F	UA	UA												113	S	S	UNKNOWN
R5710-1602	2002	II 5.55F	UA	UA												N/A	S	S	UNKNOWN
R5710-1702	0009	II 5.56F	UA	UA												N/A	S	S	UNKNOWN
R5710-1703	0218	II 5.57F	UA	UA												N/A	S	S	UNKNOWN
R5710-1704	2001	II 5.58F	UA													51	S	S	UNKNOWN
R5710-1802	1943	II 5.61F	UA													121	S	S	UNKNOWN
R5710-2001	0106	II 5.64F	UA													104	S	S	UNKNOWN
R5710-3101	1951	II 5.73F	UA													N/A	S	F	UNKNOWN
R5711-0101	0100	II 5.74F	UA													N/A	S	S	UNKNOWN
R5711-0301	2008	II 5.75F	UA													N/A	S	S	UNKNOWN
R5711-0401	0141	II 5.77F	UA													57	S	S	UNKNOWN
R5711-0402	0347	II 5.78F	UA													N/A	S	S	UNKNOWN
R5711-0403	1852	II 5.80F	UA													N/A	S	F	UNKNOWN
R5711-0501	1913	II 5.82F	UA													97	S	S	UNKNOWN
R5711-0502	2159	II 5.83F	UA													100	S	S	UNKNOWN
R5708-2701	1615	II 6.22F	UA CA	FTCR CA												N/A	S	F	UNKNOWN
R5708-3101	0457	II 6.23F	UA CA	FTCR CA												42	S	S	UNKNOWN
R5707-0401	1815	NN 3.08F	UA CA	FTCR CA												96	S	S	UNKNOWN
R5707-0501	0617	NN 3.09F	UA CA	FTCR CA												6	S	F	UNKNOWN
R5707-2901	2159	NN 3.13F	UA CA	FTCR CA												82	P	P	UNKNOWN
R5708-1203	1355	NN 5.13(68)	UA	MOLO AX												N/A	S	P	UNKNOWN
R5708-1301	0158	NN 5.14(69)	UA	MOLO AX												N/A	F	P	UNKNOWN
R5708-1401	0806	NN 5.15(70)	UA	MOLO AX												N/A	S	P	UNKNOWN

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NSSCC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS										APPROX APOGEE	SUCCESS		PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0		R	E	
R5708-1402	1350	NN 5.16(71)	UA	MOLO AX	B										45	S	P	UNKNOWN
R5708-1403	2000	NN 5.17(72)	UA	MOLO AX	B										39	S	S	UNKNOWN
R5708-1404	2251	NN 5.18(73)	UA	MOLO AX	B										N/A	S	S	UNKNOWN
R5707-0101		NN 7.37F	UA	FTMU UA											35	F	P	UNKNOWN
R5707-0301	1727	NN 7.38F	LA	FTMU UA											4	F	P	UNKNOWN
R5707-1602		NN 7.39F	LA	FTMU UA											9	F	F	UNKNOWN
R5707-2301		NN 7.40F	UA	FTMU UA											46	S	P	UNKNOWN
R5708-0501	1010	NN 7.41F	UA	FTMU UA											5	F	F	UNKNOWN
R5708-2002	1749	NN 7.42F	UA	FTMU UA											36	F	P	UNKNOWN
R5708-2702	1654	NN 7.43F	UA	FTMU UA											5	F	F	UNKNOWN
R5708-2801	2120	NN 7.44F	UA	FTMU UA											40	S	P	UNKNOWN
R5708-2901	2212	NN 7.45F	UA	FTMU UA											46	S	P	UNKNOWN
R5709-1201	1620	NN 7.46F	UA	FTMU UA											N/A	P	F	UNKNOWN
R5709-1501		NN 7.47F	UA	FTMU UA											N/A	S	F	UNKNOWN
R5709-1801	1842	NN 7.48F	UA	FTMU UA											N/A	F	F	UNKNOWN
R5709-1802	1654	NN 7.49F	UA	FTMU UA											N/A	S	P	UNKNOWN
R6004-0801	1204	DB06.003	UA	FTCR CA			G	C							100	S	S	UNKNOWN
R6707-3001	0030	DB06.003C	UA	EGLN UA					X						N/A	S	S	UNKNOWN
R6009-2101	2220	DB06.005	UA	FTCR CA			G								N/A	F	F	LEEDER, J.
R6009-2802	2245	DB06.007	UA	FTCR CA			G								105	S	S	LEEDER, J.
R6109-2601	2156	DB06.016	UA	WALI UA			G								128	S	S	LEEDER, J.
R6007-1301	1447	DB11.003	UA	WALI UA					C						670	P	S	CRUICKSHANK, W. J.
R6007-1401	0243	DB11.004	UA	WALI UA					C						710	P	S	BERNING, W. W.
R5707-2201	0416	SM 1.02	UA CA	FTCR CA			J								34	S	S	BERNING, W. W.
R5707-2401	0529	SM 1.03	UA CA	FTCR CA			J								32	S	S	UNKNOWN
R5708-1201	1559	SM 1.04	UA CA	FTCR CA			A								28	P	P	UNKNOWN
R5708-2001	0230	SM 1.05	UA CA	FTCR CA			A								35	S	S	UNKNOWN
R5708-2501	1408	SM 2.05	UA CA	FTCR CA			A								51	S	S	UNKNOWN
R5708-2401	0600	SS 6.33	UA CA	FTCR CA			A								N/A	S	F	UNKNOWN
R6607-2702	1605	C631 LANCE	UA	WSMR UA			J								N/A	S	S	UNKNOWN

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					1	2	3	4	5	6	7	8	9	0					
R6606-1203	0737	154-052	UA	BARS UA												160	S	S	SMITH, L.B.
R6606-0801	1450	154-053	UA	BARS UA												173	S	S	SMITH, L.B.
R6606-1202	0554	154-055	UA	BARS UA												165	S	S	SMITH, L.B.
R6606-1204	0857	154-056	UA	BARS UA												170	S	S	SMITH, L.B.
R6601-2601	1745	154-059	UA	BARS UA												92	S	S	SMITH, L.B.
R6601-2602	2350	154-060	UA	BARS UA												110	S	S	SMITH, L.B.
R6606-0902	1515	154-066	UA	BARS UA												100	S	S	SMITH, L.B.
R6602-0801	0500	154-070	UA	BARS UA												100	S	S	SMITH, L.B.
R6606-1201	0918	154-071	UA	BARS UA												100	S	S	SMITH, L.B.
R6604-2102	0210	154-075	UA	TCNM UA												160	S	S	SMITH, L.B.
R6606-1601	0625	154-082	UA	BARS UA												110	S	S	SMITH, L.B.
R6606-1602	0546	154-084	UA	BARS UA												170	S	S	SMITH, L.B.
R6706-0101	0815	154-092	UA	BARS UA												160	S	S	SMITH, L.B.
R6706-0102	1225	154-094	UA	BARS UA												160	S	S	SMITH, L.B.
R6706-0103	1000	154-095	UA	BARS UA												160	S	P	SMITH, L.B.
R6706-0104	0554	154-097	UA	BARS UA												165	S	S	SMITH, L.B.
R6706-0301	0547	154-098	UA	BARS UA												170	S	S	SMITH, L.B.
R6706-0105	0645	154-099	UA	BARS UA												100	S	S	SMITH, L.B.
R6705-2101	0700	154-100	UA	BARS UA												100	S	S	SMITH, L.B.
R6706-0106	1030	154-101	UA	BARS UA												100	S	P	SMITH, L.B.
R6005-1502	1401	AA 01.126	UA	WSMR UA												102	P	F	LEBLANC, F.S.
R6205-0101	1518	AA 01.193	UA	EGLN UA												94	S	P	ULWICK, J.C.
R5906-2201	1432	AA 01.26CC	UA	WSMR UA												110	S	S	UNKNOWN
R5910-1001	1200	AA 02.102C	UA	WSMR UA												111	S	P	UNKNOWN
R5905-0501	0145	AA 02.141C	UA	WSMR UA												132	F	F	UNKNOWN
R6002-1301	0043	AA 02.143C	UA	WSMR UA												143	S	S	UNKNOWN
R5910-2001	1425	AA 02.24CC	UA	WSMR UA												113	P	P	UNKNOWN
R6109-2701	1230	AA 02.502	UA	WSMR UA												59	P	S	ASHENFELTER, T.
R5902-0501	1445	AA 03.100C	UA	WSMR UA												212	S	F	UNKNOWN
R5908-2201	0045	AA 03.101C	UA	WSMR UA												230	S	S	UNKNOWN
R6009-2702	2210	AA 03.102	UA	WSMR UA												N/A	S	S	SILVERMAN, S.
R6007-0101	1435	AA 03.107	UA	WSMR UA												162	S	P	UNKNOWN
R6106-0602	1231	AA 03.10E	UA	WSMR UA												165	S	S	SOBERMAN, R. K.
R5908-2802	1845	AA 03.122C	UA	WSMR UA												235	S	S	UNKNOWN
R6001-1901	1818	AA 03.124C	UA	WSMR UA												210	S	S	UNKNOWN
R6001-2901	1851	AA 03.125C	UA	WSMR UA												226	S	S	UNKNOWN
R6105-1601	1700	AA 03.127	UA	WSMR UA												312	S	F	HINTEREGGER, H.E.
R6008-2302	1710	AA 03.12E	UA	WSMR UA												237	S	S	HINTEREGGER, H.E.
R6102-1703	1904	AA 03.129	UA	EGLN UA												275	S	F	HINTEREGGER, H.E.
R6108-1501	1721	AA 03.130	UA	WSMR UA												271	S	F	HINTEREGGER, H.E.
R5903-2002	1501	AA 03.140C	UA	WSMR UA												201	P	S	UNKNOWN
R6009-2004	1255	AA 03.142	UA	WSMR UA												195	S	F	JURSA, A.

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

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NSSCC ID	TIME (UT)	AGENCY ID	ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
						1	2	3	4	5	6	7	8	9	0					
R6011-1703	1340	AA	03.144	UA	WSMR UA	G										217	S	S	JURSA, A.	
R6105-1602	1545	AA	03.145	UA	WSMR UA					D						294	S	F	JURSA, A.	
R6110-1201	1321	AA	03.146	UA	WSMR UA					D						192	S	S	JURSA, A.	
R5904-0701	1446	AA	03.160C	UA	WSMR UA	Y										317	F	F	UNKNOWN	
R5904-1501	1446	AA	03.180C	UA	WSMR UA		C									N/A	F	F	UNKNOWN	
R5904-2101	0105	AA	03.181C	UA	WSMR UA		D									235	P	S	UNKNOWN	
R6005-2503	0540	AA	03.183C	UA	EGLN UA		C		E							269	S	S	UNKNOWN	
R5905-1201	1139	AA	03.200C	UA	WSMR UA	V										N/A	S	S	UNKNOWN	
R5905-2201	1115	AA	03.201C	UA	WSMR UA	V										N/A	S	S	UNKNOWN	
R5906-2401	1210	AA	03.220C	UA	WSMR UA		B									200	S	S	UNKNOWN	
R6004-0701	0206	AA	03.221	UA	EGLN UA				B							236	S	S	WALKER, R. G.	
R5906-1001	1640	AA	03.280C	UA	WSMR UA		B									235	P	P	UNKNOWN	
R5911-1902	0744	AA	03.282C	UA	FTCR CA		B									106	S	S	UNKNOWN	
R6004-2101	1500	AA	03.283C	UA	EGLN UA				B							245	S	S	UNKNOWN	
R6011-3001	0501	AA	03.284	UA	FTCR CA		B									241	S	S	HUTCHINSON, R.	
R6005-0201	2253	AA	04.301	UA	WSMR UA					D						275	S	F	MARRIAN, T.	
R6005-0201	2253	AA	04.301	UA	WSMR UA		G									204	F	F	NAH, S. R. S.	
R6005-0201	2253	AA	04.301	UA	WSMR UA						H					111	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA											110	F	F	UNKNOWN	
R6005-0201	2253	AA	04.301	UA	WSMR UA															

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NSSCC ID	TIME (UT)	AGENCY ID	ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS		PRINCIPAL EXPERIMENTER(S)
						1	2	3	4	5	6	7	8	9	0	R		E		
R5910-1201	1112	AA	06.206C	UA	EGLN UA												123	S	S	UNKNOWN
R5910-1501	1105	AA	06.207C	UA	EGLN UA												122	S	S	UNKNOWN
R5910-1202	0900	AA	06.208C	UA	EGLN UA												123	S	S	UNKNOWN
R5910-0901	0840	AA	06.209C	UA	EGLN UA												143	S	S	UNKNOWN
R5910-0102	1045	AA	06.210C	UA	EGLN UA												138	S	S	UNKNOWN
R5910-0201	1100	AA	06.211C	UA	EGLN UA												143	S	S	UNKNOWN
R5910-0501	1101	AA	06.212C	UA	EGLN UA												127	S	F	UNKNOWN
R5910-0902	1117	AA	06.213C	UA	EGLN UA												116	S	P	UNKNOWN
R5910-1301	1117	AA	06.214C	UA	EGLN UA												116	S	S	UNKNOWN
R5910-1601	1117	AA	06.215C	UA	EGLN UA												139	S	S	UNKNOWN
R6010-1701	2104	AA	06.34C	UA	FTCR CA												132	S	S	FAUCHER, A.G.
R6007-1502	1002	AA	06.401	UA	EGLN UA												N/A	F	F	ROSENBERG, N.W.
R6007-2203	1011	AA	06.402	UA	EGLN UA												N/A	S	S	ROSENBERG, N.W.
R6007-1302	0123	AA	06.403	UA	EGLN UA												170	F	F	ROSENBERG, N.W.
R6007-1801	1001	AA	06.405	UA	EGLN UA												N/A	S	S	ROSENBERG, N.W.
R6007-2101	1002	AA	06.406	UA	EGLN UA												N/A	S	S	ROSENBERG, N.W.
R6007-2902	1014	AA	06.407	UA	EGLN UA												N/A	S	S	ROSENBERG, N.W.
R6008-0102	0830	AA	06.408	UA	EGLN UA												N/A	S	S	ROSENBERG, N.W.
R6007-1403	1005	AA	06.409	UA	EGLN UA												N/A	S	S	ROSENBERG, N.W.
R6008-0101	1023	AA	06.410	UA	EGLN UA												N/A	S	S	ROSENBERG, N.W.
R6008-0601	0500	AA	06.411	UA	EGLN UA												N/A	S	S	ROSENBERG, N.W.
R6008-0801	1015	AA	06.412	UA	EGLN UA												N/A	S	S	ROSENBERG, N.W.
R6007-2102	0130	AA	06.413	UA	EGLN UA												N/A	S	S	ROSENBERG, N.W.
R6008-0902	1037	AA	06.414	UA	EGLN UA												N/A	S	S	ROSENBERG, N.W.
R6008-1001	1035	AA	06.415	UA	EGLN UA												N/A	S	S	ROSENBERG, N.W.
R6007-2801	0830	AA	06.416	UA	EGLN UA												N/A	S	S	ROSENBERG, N.W.
R6007-2501	0830	AA	06.420	UA	EGLN UA												N/A	F	F	ROSENBERG, N.W.
R6007-2601	1017	AA	06.421	UA	EGLN UA												N/A	S	S	ROSENBERG, N.W.
R6007-2901	0830	AA	06.422	UA	EGLN UA												N/A	S	S	ROSENBERG, N.W.

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NSSCC ID	TIME (UT)	AGENCY	ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
						1	2	3	4	5	6	7	8	9	0					
R6007-2701	1019	AA	06.425	UA	EGLN UA			G									N/A	S	S	ROSENBERG, N.W.
R6008-1601	1040	AA	06.426	UA	EGLN UA			V									N/A	S	S	ROSENBERG, N.W.
R6008-1701	1042	AA	06.427	UA	EGLN UA			G									N/A	S	S	ROSENBERG, N.W.
R6008-1802	0242	AA	06.428	UA	EGLN UA			V									N/A	S	S	ROSENBERG, N.W.
R6008-1901	1040	AA	06.429	UA	EGLN UA			G									N/A	S	S	ROSENBERG, N.W.
R6008-1902	1855	AA	06.430	UA	EGLN UA			V									N/A	S	S	ROSENBERG, N.W.
R6011-0401	2052	AA	06.800	UA	EGLN UA												N/A	F	F	ELLIS, C.E.
R6103-1401	2152	AA	06.801	UA	EGLN UA					A							118	P	P	ELLIS, C.E.
R6103-2401	1617	AA	06.802	UA	EGLN UA					A							N/A	F	F	ELLIS, C.E.
R6210-1703	1552	AA	06.832	UA	WALI UA												141	S	S	ETKIND, I.
R5911-1802	1630	AA	08.241C	UA	EGLN UA					B							206	S	S	UNKNOWN
R6006-2703	2010	AA	08.242	UA	EGLN UA					C							195	S	S	SAGALYN, R.C.
R6006-2701	0610	AA	08.243	UA	EGLN UA					E							170	S	P	SAGALYN, R.C.
R6008-2501	0104	AA	08.244	UA	EGLN UA												200	S	S	SAGALYN, R.C.
R6009-2703	2210	AA	08.350	UA	EGLN UA					F							233	P	F	CAMPEN.
R6008-1602	0142	AA	08.404	UA	EGLN UA												N/A	P	P	ROSENBERG, N.W.
R6008-1801	0135	AA	08.415	UA	EGLN UA					G							N/A	F	F	ROSENBERG, N.W.
R6008-1803	1015	AA	08.416	UA	EGLN UA					V							N/A	F	F	ROSENBERG, N.W.
R6008-2602	0103	AA	08.417	UA	EGLN UA					V							N/A	F	F	ROSENBERG, N.W.
R6103-0101	1542	AA	08.820	UA	EGLN UA												N/A	F	F	ETKIND, I.
R6108-2801	1741	AA	08.828	UA	EGLN UA												N/A	F	F	HARVEY, R.
R5911-1401	2238	AA	10.165C	UA	FTCR CA												155	P	F	UNKNOWN
R5910-2301	1744	AA	10.184	UA	FTCR CA					Y							381	S	S	UNKNOWN
R5910-2801	1447	AA	10.185C	UA	FTCR CA												135	P	P	UNKNOWN
R5911-2201	1235	AA	10.186C	UA	FTCR CA												35	P	P	UNKNOWN
R5911-0602	1636	AA	10.187C	UA	FTCR CA												393	S	P	UNKNOWN
R6107-2701	1145	AA	11.501	UA	WSMR UA					G							75	F	F	ASHENFELTER, T.
R6208-0301	1746	AA	13.194	UA	EGLN UA												502	S	S	VANCOUR, R.
R6210-2504	0600	AA	13.195	UA	EGLN UA												669	S	S	ULWICK, J.C.
R6108-1101	1430	AA	13.245	UA	EGLN UA												114	F	F	MOULT, C.P.
R6002-1901	1718	AA	13.320C	UA	EGLN UA												37	F	F	SAGALYN, R.C.
																				UNKNOWN

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					1	2	3	4	5	6	7	8	9	0					
R6201-2901	2000	AA 15.105	UA	EGLN UA											A	250	S	S	HOULT, C. P. SILVERMAN, S.
R6204-3001	1835	AA 15.196	UA	EGLN UA					A							255	S	P	ULWICK, J. C.
R6204-1801	1932	AA 15.285	UA	EGLN UA					B							221	S	S	HUTCHINSON, R.
R6106-3001	1720	AA 15.303	UA	EGLN UA											A	29	F	F	HOULT, C. P.
R6108-0101	2018	AA 16.304	UA	VNBC UA											A	N/A	F	F	GUSTAFSON, P.
R6112-1301	1200	AB 02.110	UA	WSMR UA											X	246	S	F	RYAN, T.
R6206-0502	1245	AB 02.132	UA	WSMR UA							E					216	S	S	HINTEREGGER, H. E.
R6206-1201	2130	AB 03.134	UA	WSMR UA							E					299	S	S	HINTEREGGER, H. E.
R6112-1501	1700	AB 03.140	UA	WSMR UA							D					169	F	F	JURSA, A.
R6203-C601	1330	AB 03.150	UA	WSMR UA							D					323	S	S	JURSA, A.
R6209-2701	1800	AB 03.246	UA	WSMR UA												260	S	S	SAGALYN, R. C.
R6307-0301	0900	AB 03.247	UA	EGLN UA															
R6112-0701	2315	AB 03.344	UA	EGLN UA												234	S	S	FAUCHER, A. G.
R6302-1301	2430	AB 03.345	UA	EGLN UA												234	S	S	FAUCHER, A. G.
R6110-2501	0659	AB 03.351	UA	WSMR UA							Y					232	S	S	SALISBURY, J. W.
R6206-1901	0659	AB 03.352	UA	WSMR UA							D					224	S	S	SALISBURY, J. W.
R6410-2704	1657	AB 06.157	UA	FTCR CA												136	S	S	ULWICK, J. C.
R6307-2008	2215	AB 17.155	UA	FTCR CA												143	S	S	ULWICK, J. C.
R6605-0102	0630	AB 19.286	UA	FTCR CA							B					723	S	S	VANCOUR, R. P.
R6811-0901	0855	AD 19.287	UA	FTCR CA							B					592	S	S	VANCOUR, R. P.
R5906-3001		ABME 06.208	UA	WALI UA												83	P	S	UNKNOWN
R5907-0101		ABME 06.209	UA	WALI UA												985	P	S	UNKNOWN
R6210-2501	2328	AC 03.138	UA	WSMR UA												213	S	S	HINTEREGGER, H. E.
R6212-1801	1945	AC 03.139	UA	WSMR UA												224	S	F	HINTEREGGER, H. E.
R6211-C602	1945	AC 03.148	UA	WSMR UA												308	S	F	JURSA, A.
R6303-1901	1800	AC 03.149	UA	WSMR UA												99	S	S	JURSA, A.
R6309-2601	1830	AC 03.151	UA	WSMR UA												98	S	S	JURSA, A.
R6209-1101	2324	AC 03.222	UA	WSMR UA												306	S	F	SILVERMAN, S.
R6210-1301	0659	AC 03.353	UA	WSMR UA												317	S	S	SALISBURY, J. W.
R6306-1102	0515	AC 03.354	UA	WSMR UA												302	S	S	SALISBURY, J. W.
R6608-1101	1732	AC 03.364	UA	FTCR CA												207	S	S	SILVERMAN, S.
R6303-0601	2230	AC 03.372	UA	WSMR UA												228	S	S	COHEN, H. A.
R6211-1603	0126	AC 03.445	UA	EGLN UA							V					N/A	S	S	ROSENBERG, N. W.
R6212-0801	0108	AC 03.450	UA	EGLN UA							V					N/A	P	P	ROSENBERG, N. W.
R6212-1501	1730	AC 03.451	UA	EGLN UA							V					N/A	S	S	ROSENBERG, N. W.
R6211-1101	0103	AC 03.452	UA	EGLN UA							V					N/A	S	S	ROSENBERG, N. W.
R6211-1301	2330	AC 03.453	UA	EGLN UA							V					N/A	S	S	ROSENBERG, N. W.
R6305-0201	1703	AC 03.510	UA	WSMR UA												232	S	S	HINTEREGGER, H. E.
R6307-1002	1702	AC 03.511	UA	WSMR AU												225	S	S	HINTEREGGER, H. E.

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NSSC ID	TIME (UT)	AGENCY ID	ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
						1	2	3	4	5	6	7	8	9	0					
R6402-0901	0411	AC	03.605	UA	FTCR CA												228	S	S	ULWICK, J.C.
R6306-2901	1646	AC	03.607	UA	EGLN UA												156	S	S	ULWICK, J.C.
R6305-1807	0418	AC	05.469	UA	EGLN UA												N/A	S	S	ROSENBERG, N.W.
R6309-2401	0215	AC	05.475	UA	EGLN UA												N/A	S	S	ROSENBERG, N.W.
R6309-2504	1537	AC	05.476	UA	EGLN UA												N/A	S	S	ROSENBERG, N.W.
R6309-2505	1630	AC	05.477	UA	EGLN UA												N/A	S	S	ROSENBERG, N.W.
R6310-0102	0947	AC	05.478	UA	EGLN UA												N/A	S	S	ROSENBERG, N.W.
R6310-3103	1800	AC	06.341	UA	EGLN UA												111	S	S	NARCISI, R.S.
R6403-1101	1800	AC	06.342	UA	EGLN UA												100	S	S	NARCISI, R.S.
R6210-1602	1115	AC	06.434	UA	EGLN UA												N/A	P	P	ROSENBERG, N.W.
R6210-1802	0100	AC	06.435	UA	EGLN UA												N/A	F	F	ROSENBERG, N.W.
R6211-0203	1130	AC	06.436	UA	EGLN UA												N/A	F	F	ROSENBERG, N.W.
R6210-2505	1115	AC	06.437	UA	EGLN UA												N/A	S	S	ROSENBERG, N.W.
R6210-1901	1117	AC	06.438	UA	EGLN UA												N/A	S	S	ROSENBERG, N.W.
R6211-0101	1125	AC	06.439	UA	EGLN UA												N/A	S	S	ROSENBERG, N.W.
R6211-0501	1129	AC	06.440	UA	EGLN UA												N/A	S	S	ROSENBERG, N.W.
R6210-1501	1115	AC	06.441	UA	EGLN UA												N/A	S	S	ROSENBERG, N.W.
R6210-1701	1116	AC	06.442	UA	EGLN UA												N/A	P	P	ROSENBERG, N.W.
R6210-1704	0040	AC	06.443	UA	EGLN UA												N/A	P	P	ROSENBERG, N.W.
R6210-2502	0630	AC	06.444	UA	EGLN UA												N/A	S	S	ROSENBERG, N.W.
R6211-0601	0200	AC	06.445	UA	EGLN UA												N/A	S	S	ROSENBERG, N.W.
R6210-2201	1119	AC	06.447	UA	EGLN UA												N/A	S	S	ROSENBERG, N.W.
R6212-1103	0130	AC	06.447	UA	EGLN UA												N/A	S	S	ROSENBERG, N.W.
R6210-2301	1119	AC	06.448	UA	EGLN UA												N/A	S	S	ROSENBERG, N.W.
R6305-1501	2000	AC	06.472	UA	EGLN UA												156	S	S	ROSENBERG, N.W.
R6305-1605	0755	AC	06.473	UA	EGLN UA												167	S	S	ROSENBERG, N.W.
R6610-3001	1406	AC	06.710	UA	EGLN UA												95	S	S	TOOLIN, R.
R6208-2801	1934	AC	06.825	UA	EGLN UA												148	S	S	HARRISON, R.
R6208-2901	1900	AC	06.830	UA	EGLN UA												N/A	F	F	HARRISON, R.
R6307-2501	2238	AC	13.831	UA	EGLN UA												623	S	S	WONG, M.
R6407-1801	1222	AC	15.363	UA	FTCR CA												284	S	S	SILVERMAN, S.
R6406-1003	0503	AC	15.373	UA	VNBC UA												343	S	S	FAUCHER, A.G.
R6601-2303	0606	AC	15.732	UA	FTCR CA												304	S	P	SANDOCK, J.
R6601-2302	0648	AC	15.733	UA	FTCR CA												61	F	F	SANDOCK, J.
R6612-1401	0816	AC	15.735	UA	FTCR CA												224	S	S	SANDOCK, J.
R6307-2601	2306	AC	17.601	UA	FTCR CA												143	S	S	ULWICK, J.C.
R6609-2801	1816	AC	17.6040	UA	FTCR CA												127	S	S	SANDOCK, J.
R6410-2702	1657	AC	17.606	UA	FTCR CA												203	S	S	ULWICK, J.C.
R6606-2801	1723	AC	19.151	UA	WALI UA												562	S	S	ULWICK, J.C.
R6905-1602	0430	AC	19.285	UA	FTCR CA												774	S	S	HUTCHINSON, R.
R6210-3101	2333	AC	20.416	UA	EGLN UA												N/A	S	F	ROSENBERG, N.W.
R6211-2803	0000	AC	20.454	UA	EGLN UA												N/A	S	S	ROSENBERG, N.W.
R6212-0403	0445	AC	20.455	UA	EGLN UA												N/A	S	S	ROSENBERG, N.W.
R6212-1201	2346	AC	20.456	UA	EGLN UA												N/A	S	S	ROSENBERG, N.W.
R6212-0603	1021	AC	20.457	UA	EGLN UA												N/A	S	S	ROSENBERG, N.W.
R6212-1502	0052	AC	20.458	UA	EGLN UA												N/A	S	S	ROSENBERG, N.W.

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						1	2	3	4	5	6	7	8	9	0				
R6212-0503	0151	AC	20.466	UA	EGLN UA		V									N/A	F	F	ROSENBERG, N.W.
R6211-0201	0427	AC	20.462	UA	EGLN UA		V									N/A	S	F	ROSENBERG, N.W.
R6210-2303	1930	AC	20.463	UA	EGLN UA		V									N/A	S	S	ROSENBERG, N.W.
R6212-0106	2321	ACS	00.465	UA	EGLN UA		V									N/A	F	F	ROSENBERG, N.W.
R6212-0404	0345	ACS	00.467	UA	EGLN UA		V									N/A	S	S	ROSENBERG, N.W.
R6311-1301	2300	AD	03.324	UA	WSMR UA		C									262	P	S	SILVERMAN, S.
R6405-2701	0430	AD	03.355	UA	WSMR UA											245	S	P	SALISBURY, J.W.
R6511-1002	0230	AD	03.356	UA	WSMR UA											180	S	P	SALISBURY, J.W.
R6711-1502	2034	AD	03.365	UA	NATL BR		E									224	S	P	SILVERMAN, S.
R6309-0301	2236	AD	03.374	UA	WSMR UA		G									288	S	S	COHEN, H.A.
R6507-2103	2000	AD	03.375	UA	WSMR UA											193	S	P	NARCISI, R.S.
R6312-1201	1650	AD	03.513	UA	WSMR UA											325	S	S	HINTEREGGER, H.E.
R6403-3001	1900	AD	03.514	UA	WSMR UA											248	S	S	HINTEREGGER, H.E.
R6412-0802	2255	AD	03.515	UA	WSMR UA											N/A	S	P	HINTEREGGER, H.E.
R6503-1302	0742	AD	03.612	UA	FTCR CA			X								184	S	S	ULWICK, J.C.
R6509-2502	0400	AD	03.722	UA	WSMR UA											N/A	S	P	CUNIFF, C.
R6604-2901	0345	AD	03.723	UA	WSMR UA		G									175	S	S	CUNIFF, C.
R6411-2201	1630	AD	06.811	UA	EGLN UA			A								110	P	P	HARVEY, R.
R6504-2003	2204	AD	06.841	UA	WALI UA											80	S	S	ELLIS, C.E.
R6710-0201	2000	AD	06.842	UA	WALI UA											108	S	S	ELLIS, C.E.
R6506-0202	1020	AD	06.850	UA	EGLN UA		V									121	S	P	ROSENBERG, N.W.
R6505-2602	2320	AD	13.812	UA	EGLN UA			A								488	S	S	HARVEY, R.
R6505-2503	2320	AD	13.815	UA	EGLN UA			A								488	S	S	HARVEY, R.
R6706-2401	1032	AD	21.860	UA	WALI UA			X								274	S	S	ROTHMAN, W.
R6806-2802	2032	AD	21.860	UA	WALI UA			C								N/A	S	S	ROTHMAN, W.
R6906-1802	0516	AD	21.861	UA	WALI UA											N/A	S	S	UNKNOWN
R7011-2401	2356	AD	21.862	UA	WALI UA											300	S	S	ROTHMAN, W.
R6503-0301	0009	AE	3.516	UA	WSMR UA											241	S	S	HINTEREGGER, H.E.
R6503-0501	0011	AE	3.518	UA	WSMR UA											245	S	S	HINTEREGGER, H.E.
R6507-0701	0825	AE	03.117	UA	FTCR CA		K									166	S	P	SOBERMAN, R.K.
R6502-1101	1755	AE	03.153	UA	WSMR UA											200	S	P	JURSA, A.
R6803-2907	0829	AE	03.154	UA	WSMR UA		F									122	S	S	LEBLANC, F.S.
R6503-1301	0355	AE	03.516	UA	WSMR UA		G									105	S	S	BOGGESS, A.
R6503-0302	1415	AE	03.517	UA	WSMR UA											252	S	S	SCOLNIK, R.
R6503-1501	0620	AE	03.518	UA	ANDA NO											77	S	S	HINTEREGGER, H.E.
R6508-1201	1715	AE	03.519	UA	WSMR UA			C								241	S	S	KANE, J.A.
R6511-0301	1900	AE	03.520	UA	WSMR UA											210	S	S	HINTEREGGER, H.E.
R6707-0501	1942	AE	03.582	UA	FTCR CA											N/A	S	S	HINTEREGGER, H.E.
R6503-0602	0732	AE	03.613	UA	FTCR CA		X									193	S	S	SILVERMAN, S.
R6508-2601	1903	AE	03.614	UA	FTCR CA		E									109	S	P	ULWICK, J.C.
R6612-0601	0335	AE	03.724	UA	EGLN UA			A								208	S	S	ULWICK, J.C.
R6808-1501	0759	AE	03.725	UA	WSMR UA		G									179	S	S	CUNIFF, C.
R6608-0801	1920	AE	03.734	UA	FTCR CA											127	S	S	FILZ, R.
R6503-2004	1628	AE	05.293	UA	UA											201	S	S	SHUMAN, B.
R6503-2202	0744	AE	05.294	UA	UA											206	S	S	SHUMAN, B.

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						1	2	3	4	5	6	7	8	9	0				
R6503-2501	1600	AE	05.295	UA	UA											100	S	S	SHUMAN,B.
R6503-2803	1550	AE	05.296	UA	UA											129	S	S	SHUMAN,B.
R6405-1801	0620	AE	05.475	UA	EGLN UA										A	208	P	S	ROSENBERG,N.W.
R6405-1901	0645	AE	05.481	UA	CPKF UA										A	205	P	P	ROSENBERG,N.W.
R6405-1902	1800	AE	05.482	UA	CPKF UA										A	260	P	S	ROSENBERG,N.W.
R6502-2703	2230	AE	05.486	UA	EGLN UA											132	P	P	ULWICK,J.C.
R6410-1701	0943	AE	05.487	UA	EGLN UA											203	S	S	ROSENBERG,N.W.
R6502-1903	0025	AE	05.492	UA	EGLN UA											161	S	S	ROSENBERG,N.W.
R6502-2704	2230	AE	05.493	UA	EGLN UA											16	F	F	ROSENBERG,N.W.
R6502-2809	0415	AE	05.494	UA	EGLN UA											145	S	S	ROSENBERG,N.W.
R6502-2810	0639	AE	05.495	UA	EGLN UA											16	F	F	ROSENBERG,N.W.
R6502-2811	0915	AE	05.496	UA	EGLN UA											N/A	S	S	ROSENBERG,N.W.
R6502-2805	1130	AE	05.497	UA	EGLN UA											139	S	S	ROSENBERG,N.W.
R6411-0303	1002	AE	05.550	UA	EGLN UA											209	S	S	FAIRE,A.C.
R6411-1005	2326	AE	05.551	UA	EGLN UA											75	F	F	FAIRE,A.C.
R6411-1104	0119	AE	05.552	UA	EGLN UA											81	F	F	FAIRE,A.C.
R6502-2806	0915	AE	05.553	UA	EGLN UA											143	S	S	ULWICK,J.C.
R6502-2807	1130	AE	05.554	UA	EGLN UA											28	F	F	ULWICK,J.C.
R6502-2808	1315	AE	05.555	UA	EGLN UA											28	F	F	ULWICK,J.C.
R6502-2702	2100	AE	05.556	UA	EGLN UA											157	S	S	FAIRE,A.C.
R6512-1102	1955	AE	05.558	UA	FTCR CA											155	S	S	FAIRE,A.C.
R6507-1701	1505	AE	05.814	UA	EGLN UA											17	F	F	HARVEY,R.
R6503-2003	1704	AE	06.252	UA	UA											122	S	S	SMIDDY,M.
R6503-2201	0859	AE	06.253	UA	UA											120	S	S	SMIDDY,M.
R6511-1101	0410	AE	06.378	UA	EGLN UA											113	S	F	SAGALYN,R.C.
R6511-1003	1923	AE	06.375	UA	EGLN UA											114	S	S	NARCISI,R.S.
R6511-1602	1722	AE	06.375	UA	EGLN UA											N/A	S	S	SAGALYN,R.C.
R6511-1803	0420	AE	06.382	UA	EGLN UA											116	S	S	NARCISI,R.S.
R6511-1802	0520	AE	06.382	UA	EGLN UA											98	S	F	SAGALYN,R.C.

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						1	2	3	4	5	6	7	8	9	0					
R6511-1811	1121	AE	06.484	UA	EGLN UA		V	C								155	S	S	ROSENBERG, N.W.	
R6506-0203	1030	AE	06.498	UA	EGLN UA		V									121	S	S	ROSENBERG, N.W.	
R6511-1703	2236	AE	06.496	UA	EGLN UA		V	C								155	S	S	ROSENBERG, N.W.	
R6511-0302	0917	AF	06.557	UA	EGLN UA		Y									137	S	S	FAIRE, A.C.	
R6803-1502	0710	AE	07.290	UA	FTCR CA				B							160	S	S	HUTCHINSON, R.	
R6411-2702	1231	AC	07.312	UA	EGLN UA									A		201	S	S	HOULT, C.P.	
R6504-1203	1637	AE	07.313	UA	EGLN UA									B		143	S	S	HOULT, C.P.	
R6507-2102	1033	AE	07.347	UA	EGLN UA		F							A		129	S	P	FAUCHER, A.G.	
R6510-1801	0531	AE	07.616 D	UA	FTWW UA		G									103	S	S	ULWICK, J.C.	
R6510-2102	2054	AE	07.616 D	UA	FTWW UA			X								137	S	S	ULWICK, J.C.	
R6610-1401	1720	AE	07.813	UA	EGLN UA			X								159	S	S	HARRISON, R.	
R6511-0202	2000	AE	12.559	UA	EGLN UA		Y									686	S	P	FAIRE, A.C.	
R6103-0801	1753	AE	16.308	UA	EGLN UA											431	P	P	GUSTAFSON, P.	
								E											SWENSON, P.	
R6509-1602	2205	AE	18.315	UA	EGLN UA									C		344	S	S	ULWICK, J.	
R6507-1401	0857	AF	03.265	UA	FTCR CA		K									N/A	S	F	SOBERMAN, R.K.	
R6507-2401	0536	AF	03.266	UA	FTCR CA		K									179	S	P	SOBERMAN, R.K.	
R6611-1601	1215	AF	03.267	UA	WSMR UA				C							192	S	F	SKRI VANEK, R.	
R6712-1303	1259	AF	03.268	UA	WSMR UA								A			164	S	F	SKRI VANEK, R.	
R6511-0303	1900	AF	03.523	UA	WSMR UA						X					N/A	S	S	HINTEREGGER, H.E.	
R6511-0904	1500	AF	03.523	UA	WSMR UA						E					238	S	S	HINTEREGGER, H.E.	
R6603-3003	1830	AF	03.524	UA	WSMR UA				C		E					240	S	S	HINTEREGGER, H.E.	
R6607-2201	2102	AF	03.525	UA	WSMR UA				C		E					256	S	S	HINTEREGGER, H.E.	
R6612-1402	0816	AF	03.615	UA	FTCR CA			X								192	S	S	SANDOCK, J.	
R6606-1801	0025	AF	06.501	UA	EGLN UA		V									240	S	S	ROSENBERG, N.W.	
								Z												
R6704-1302	0710	AF	06.561	UA	EGLN UA				C							116	S	S	SAGALYN, R.C.	
									E											
R6704-1304	0001	AF	07.168	UA	EGLN UA				C							145	S	S	SAGALYN, R.C.	
									E											
									O											
R6811-0902	0859	AF	07.292	UA	FTCR CA</															

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						1	2	3	4	5	6	7	8	9	0					
R6807-2303	0423	AF	07.385	UA	EGLN UA	A	D									142	S	S	NARCIST, R. S. ROSENBERG, N. W.	
R6701-1101	2331	AF	07.500	UA	EGLN UA	V										N/A	F	F	ROSENBERG, N. W.	
R6701-1601	2348	AF	07.503	UA	EGLN UA	V										N/A	S	S	ROSENBERG, N. W.	
R6606-2501	0030	AF	07.506	UA	EGLN UA	G										192	S	S	ROSENBERG, N. W.	
R6606-2504	0657	AF	07.507	UA	EGLN UA	V										192	S	S	ROSENBERG, N. W.	
R6606-2502	0236	AF	07.509	UA	EGLN UA	G										159	S	S	ROSENBERG, N. W.	
R6704-1805	1040	AF	07.560	UA	EGLN UA	F										169	S	S	SAGALYN, R. C. FAIRE, A. C.	
R6703-0401	2104	AF	07.582	UA	EGLN UA	Y										206	S	S	FAUCHER, A. G.	
R6703-0602	0205	AF	07.583	UA	EGLN UA					C						175	S	S	FAUCHER, A. G.	
R6606-2503	0715	AF	07.620	UA	EGLN UA	G										143	S	S	ROSENBERG, N. W.	
R6606-2303	0853	AF	07.621	UA	EGLN UA	V										175	S	S	ROSENBERG, N. W.	
R6704-1305	0054	AF	07.622	UA	EGLN UA	A										167	S	S	ROSENBERG, N. W.	
R6704-1306	0056	AF	07.623	UA	EGLN UA	A										167	S	S	ROSENBERG, N. W.	
R6704-1802	1025	AF	07.624	UA	EGLN UA	A										58	F	F	ROSENBERG, N. W.	
R6704-0802	0925	AF	07.625	UA	EGLN UA	A										N/A	F	F	ROSENBERG, N. W.	
R6704-1806	1025	AF	07.625	UA	EGLN UA	A										N/A	F	F	SAGALYN, R. C.	
R6805-0701	0900	AF	07.643	UA	AREO PR	V										142	S	S	ROSENBERG, N. W.	
R6701-1602	2400	AF	07.653	UA	EGLN UA	V										N/A	S	S	ROSENBERG, N. W.	
R6701-1603	1148	AF	07.654	UA	EGLN UA	V										N/A	S	S	ROSENBERG, N. W.	
R6701-1902	2322	AF	07.655	UA	EGLN UA	V										N/A	F	F	SISSENWINE, N.	
R6712-0302	2253	AF	07.657	UA	EGLN UA	A										119	S	S	LENHARD, R. W.	
R6711-2902	2251	AF	07.658	UA	FTCR CA	V										N/A	S	S	SISSENWINE, N.	
R6712-1603	2258	AF	07.659	UA	EGLN UA	A										127	S	S	LENHARD, R. W.	
R6812-0901	2255	AF	07.660	UA	EGLN UA	V	A									124	S	S	HIGGINS, J. SISSENWINE, N.	
R6711-2903	2251	AF	07.661	UA	FTCR CA	V										N/A	S	S	SISSENWINE, N.	
R6712-0301	2253	AF	07.662	UA	EGLN UA	A										124	S	S	LENHARD, R. W.	
R6712-1602	2258	AF	07.663	UA	EGLN UA	V										N/A	S	S	SISSENWINE, N.	
R6812-0902	2255	AF	07.664	UA	EGLN UA	V										118	S	S	SISSENWINE, N.	
R6704-2004	0040	AF	08.650	UA	EGLN UA	V										260	S	S	ROSENBERG, N. W.	
R6704-2801	0012	AF	08.651	UA	EGLN UA	V										254	S	S	ROSENBERG, N. W.	
R6712-0603	1630	AF	17.750 D	UA	FTCR CA					C						137	S	S	SANDOCK, J.	
R6806-1003	1853	AF	17.751 D	UA	FTCR CA					D						112	F	F	ULWICK, J. C.	
R6905-3001	0851	AF	19.291	UA	FTCR CA					B						825	S	S	HUTCHINSON, R.	
R7010-0601	1640	AFCRL	70-1	UA	CPKF UA								A			73	S	P	GRIFFIN, J. R.	
R7010-0701	1600	AFCRL	70-2	UA	CPKF UA								A			72	S	S	GRIFFIN, J. R.	
R7010-0801	1300	AFCRL	70-3	UA	CPKF UA								A			78	S	S	GRIFFIN, J. R.	
R7010-0802	1615	AFCRL	70-4	UA	CPKF UA								A			74	S	S	GRIFFIN, J. R.	
R7010-0803	1623	AFCRL	70-5	UA	CPKF UA								A			75	S	S	GRIFFIN, J. R.	

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NSSCC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS										APPROX APOGEE	SUCCESS		PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0		R	E	
R7101-1901	1943	AFCRL 71-1	UA	WALI UA									A	146	S	S	WRIGHT, J.B.	
R7101-2101	1818	AFCRL 71-2	UA	WALI UA									A	130	S	S	WRIGHT, J.B.	
R7101-2102	1502	AFCRL 71-3	UA	WALI UA									A	129	S	S	WRIGHT, J.B.	
R7101-2103	1938	AFCRL 71-4	UA	WALI UA									A	132	S	S	WRIGHT, J.B.	
R7101-2104	2019	AFCRL 71-5	UA	WALI UA									A	132	S	S	WRIGHT, J.B.	
R7101-2105	2102	AFCRL 71-6	UA	WALI UA									A	127	S	F	WRIGHT, J.B.	
R6602-1901	0105	AFS. 502	UA	AREO PR									V	192	S	S	ROSENBERG, N.W.	
R6602-2002	0030	AFS. 504	UA	AREO PR									V	192	F	F	ROSENBERG, N.W.	
R6602-2003	0545	AFS. 505	UA	AREO PR									V	192	S	S	ROSENBERG, N.W.	
R6602-2004	1108	AFS. 508	UA	AREO PR									V	92	F	F	ROSENBERG, N.W.	
R6611-2701	0216	AG 03.257	UA	FTCR CA						B				192	S	S	SALISBURY, J.C.	
R6701-1701	1800	AG 03.526	UA	WSMR UA						E				N/A	S	S	HINTEREGGER, H.E.	
R6808-0603	1843	AG 03.527	UA	WSMR UA						E				129	P	P	UNKNOWN	
R6904-0401	1935	AG 03.527	UA	WSMR UA						E				248	S	S	HINTEREGGER, H.E.	
R6708-1501	1845	AG 03.526	UA	WSMR UA						E				243	S	S	HINTEREGGER, H.E.	
R6808-0602	1843	AG 03.532	UA	WSMR UA						D				127	S	S	HINTEREGGER, H.E. HIGGINS, J.E.	
R6709-C703	0600	AG 07.176	UA	EGLN UA						F				101	S	F	FAIRE, A.C.	
R6706-0701	1320	AG 07.272	UA	EGLN UA							A			154	S	P	SKRI VANEK, R.	
R6808-0803	0900	AG 07.273	UA	NATL BR								A		158	S	S	SKRI VANEK, R. CARNEVALE, R. RYAN, T. CHREST, S.	
R6808-1101	1004	AG 07.274	UA	NATL BR							A			N/A	F	F	SKRI VANEK, R. CARNEVALE, R. RYAN, T. CHREST, R.	
R6808-1202	0900	AG 07.275	UA	NATL BR								A		153	S	S	SKRI VANEK, R. CARNEVALE, R. RYAN, T. CHREST, S.A.	
R6808-1502	1300	AG 07.276	UA	NATL BR							B			N/A	S	F	WALKER, R.G. CUNIFF, C.	
R6711-1901	1108	AG 07.314	UA	NATL BR										119	S	P	HOULT, C.P.	
R6711-2201	1007	AG 07.319	UA	NATL BR								X		N/A	S	P	UNKNOWN	
R6901-0701	0035	AG 07.626	UA	EGLN UA						V				154	S	S	UNKNOWN	
R6712-1302	0744	AG 07.627	UA	EGLN UA						V				187	S	S	ROSENBERG, N.W.	
R6807-2301	0418	AG 07.628	UA	EGLN UA						V				158	S	S	MACLEOD, M.A.	
R6807-2302	0418	AG 07.629	UA	EGLN UA						V				150	S	S	NARCISI, R.S.	
R6712-1301	0823	AG 07.630	UA	EGLN UA						V				164	S	S	ROSENBERG, N.W.	
R6712-1403	0858	AG 07.631	UA	EGLN UA						V				161	S	S	ROSENBERG, N.W.	
R6807-2304	0428	AG 07.632	UA	EGLN UA						V				150	S	S	MACLEOD, M.A.	
R6801-1902	2310	AG 07.633	UA	FTCR CA						A				191	S	S	GOLDB, D.	
										G								
R6801-1801	0008	AG 07.634	UA	FTCR CA						A				193	S	S	GOLDB, D.	
										G								
R6801-2203	1320	AG 07.635	UA	FTCR CA						A				188	S	S	GOLDB, D.	
										G								

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

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NSSDC ID	TIME (UT)	AGENCY	ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
						1	2	3	4	5	6	7	8	9	0					
R6808-1901	0917	AG	07.636	UA	FTCR CA	V										177	S	S	GOLOMB, D. GOOD, R. DYER, G. KITROSSER, D.	
R6710-2405	2400	AG	07.638	UA	AREO PR											N/A	S	S	SAGALYN, R. C.	
R6710-2601	1809	AG	07.639	UA	AREO PR											N/A	F	F	SAGALYN, R. C.	
R6710-2702	1814	AG	07.640	UA	AREO PR											N/A	S	S	SAGALYN, R. C.	
R6710-2801	1015	AG	07.641	UA	AREO PR											N/A	S	S	SAGALYN, R. C.	
R6807-1902	1440	AG	07.642	UA	EGLN UA	V										N/A	F	F	ROSENBERG, N. W. NARCISI, R. S.	
R6807-2305	0428	AG	07.642A	UA	EGLN UA	V										200	S	S	NARCISI, R. S.	
R6901-1202	0132	AG	07.652	UA	EGLN UA	V										157	S	S	UNKNOWN	
R6808-2002	1910	AG	07.655	UA	FTCR CA	V										175	S	S	GOLOMB, D. GOOD, R. DYER, G. KITROSSER, D.	
R6712-0604	1825	AG	07.880	UA	FTCR CA		D									132	S	S	NARCISI, R. S.	
R6807-1701	0130	AG	07.881	UA	EGLN UA	G										125	S	S	NARCISI, R. S.	
R6911-0307	0730	AG	07.882	UA	FTCR CA	G										138	S	S	NARCISI, R. S.	
R6812-1001	1832	AG	07.883	UA	WALI UA		D									122	S	S	NARCISI, R. S.	
R6812-1202	0245	AG	07.887	UA	WALI UA		D									118	S	S	NARCISI, R. S.	
R6704-1301	0712	AG	08.647	UA	EGLN UA	Y										175	S	S	ROSENBERG, N. W. FAIRF, A. C.	
R6801-2205	1315	AG	08.648	UA	FTCR CA	A										N/A	S	S	GOLOMB, D. HAPPELT, G.	
R6808-2001	0800	AG	08.649	UA	FTCR CA	V										194	S	S	GOLOMB, D. GOOD, R. DYER, G. KITROSSER, D.	
R6811-1902	0800	AG	17.757	UA	FTCR CA		C									129	S	S	ULWICK, J. C. SANDOCK, J. A.	
R6710-0401	0020	AM	8.645	UA	WALI UA	V										251	S	S	ROSENBERG, N. W.	
R6708-0804	2145	AM	03.525	UA	WSMR UA					E						235	S	S	HINTEREGGER, H. E.	
R6711-0701	1745	AM	03.530	UA	WSMR UA		C			E						N/A	S	F	HINTEREGGER, H. E.	
R6802-1903	1855	AM	03.521	UA	WSMR UA		C			D						243	S	S	HINTEREGGER, H. E. HIGGINS, J. E.	
R6805-1303	1008	AM	06.670	UA	AREO PR	V										210	S	S	UNKNOWN	
R6805-0101	2025	AM	07.177	UA	EGLN UA	Y										217	S	S	FAIRE, A. C.	
R6904-1802	0443	AM	07.297	UA	FTCR CA		B	C								160	S	S	VANCOUR, R. P.	
R6805-1703	0900	AM	07.571	UA	BARS UA	Y										202	S	S	FAUCHER, G. A.	
R6805-2203	2100	AM	07.572	UA	EARS UA	Y										201	S	S	FAUCHER, G. A.	
R6901-3111	1836	AM	07.573	UA	WALI UA	Y										188	S	F	FAUCHER, A. G.	
R6901-3112	2153	AM	07.576	UA	WALI UA	Y										188	S	F	UNKNOWN	
R6808-2702	0345	AM	07.667	UA	FTCR CA	V										201	S	S	GOLOMB, D. GOOD, R. DYER, G. KITROSSER, D.	
R6901-0601	2341	AM	07.671	UA	EGLN UA	V										203	S	S	ROSENBERG, N. W. BEST, G. T. MACLEOD, M. A.	

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NSSCC ID	TIME (UT)	AGENCY	ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
						1	2	3	4	5	6	7	8	9	0					
R6901-0702	2338	AM	07.672	UA	EGLN UA	V										215	S	S	ROSENBERG, N.W. BEST, G.T. MACLEOD, M.A.	
R6901-1301	2343	AM	07.673	UA	EGLN UA	V										220	S	S	UNKNOWN	
R6905-1302	0123	AM	07.674	UA	EGLN UA	V										191	S	S	ROSENBERG, N.W.	
R6905-1502	0104	AM	07.675	UA	EGLN UA	V										204	S	S	ROSENBERG, N.W.	
R6912-0304	1056	AM	07.676	UA	EGLN UA	V										495	S	S	ROSENBERG, N.W.	
R7005-0801	0104	AM	07.677	UA	EGLN UA	V										159	S	S	ROSENBERG, N.W.	
R6905-1301	0104	AM	07.678	UA	EGLN UA	V										190	S	S	MACLEOD, M.A.	
R6905-1303	0105	AM	07.679	UA	EGLN UA	V										203	S	S	MACLEOD, M.A.	
R6912-0501	0930	AM	07.680	UA	EGLN UA	V										158	S	S	ROSENBERG, N.W.	
R6912-0303	1000	AM	07.681	UA	EGLN UA	V										508	S	S	ROSENBERG, N.W.	
R6912-0502	1000	AM	07.682	UA	EGLN UA	V										155	S	S	ROSENBERG, N.W.	
R6912-1201	0230	AM	07.683	UA	EGLN UA	V										155	S	S	ROSENBERG, N.W.	
R6905-1401	1510	AM	07.684	UA	EARS UA	V										175	S	S	UNKNOWN	
R6905-2201	0546	AM	07.687	UA	EARS UA	V										176	S	S	GOLOMB, D. KITROSSER, D. DYER, G.	
R6911-0302	1730	AM	07.886	UA	FTCR CA	G										144	S	S	NARCISI, R.S.	
R6907-0101	2100	AM	07.888	UA	EGLN UA	G										137	S	S	PHILBRICK, C.R.	
R6901-3110	1730	AM	07.891	UA	WALI UA		D									137	S	S	ULWICK, J.C.	
R6911-0701	0951	AM	07.892	UA	FTCR CA		D									122	S	S	NARCISI, R.S.	
R6910-1102	0900	AM	07.893	UA	FTCR CA	G										118	S	S	UNKNOWN	
R6911-0404	2250	AM	07.893	UA	FTCR CA	G										143	S	S	NARCISI, R.S.	
R6910-0401	0515	AM	08.645	UA	WALI UA				F							N/A	S	S	GARMIRE, G.	
R6710-0404	0018	AM	08.646	UA	WALI UA	V										249	S	S	ROSENBERG, N.W. PURCELL, J.D.	
R6710-0405	0029	AM	08.665	UA	WALI UA	V										N/A	S	S	ROSENBERG, N.W.	
R6712-1402	0837	AM	08.665	UA	EGLN UA	V										106	P	F	ROSENBERG, N.W.	
R6805-1202	1007	AM	08.666	UA	AREO PR	V										210	F	F	UNKNOWN	
R6805-1302	1006	AM	08.666	UA	AREO PR	V										170	S	S	ROSENBERG, N.W.	
R6808-2701	0345	AM	08.666	UA	FTCR CA	V										201	S	S	GOLOMB, D. GOOD, R. DYER, G. KITROSSER, D.	
						Y														
R6905-2202	0737	AM	08.665	UA	EARS UA	V	C									176	S	S	DANDEKAR, S. TURTLE, J.P.	
R6805-1301	0909	AM	08.670	UA	VGBJ PR	V										153	S	S	ROSENBERG, N.W.	
R6911-0201	2020	AJ	17.602	UA	FTCR CA			X								120	S	S	ULWICK, J.C.	
R6911-0304	1352	AJ	17.616	UA	FTCR CA			X								123	S	S	ULWICK, J.C.	
R6911-0405	2304	AJ	17.617	UA	FTCR CA			X								126	S	S	ULWICK, J.C.	
R6911-0311	0605	AJ	17.756	UA	FTCR CA		B									126	S	S	ULWICK, J.C.	
R6911-0310	1711	AJ	17.906-1	UA	FTCR CA			X								126	S	S	ULWICK, J.C.	
R5607-0602	1803	AM	6.01	UA	WALI UA			F								130	S	S	UNKNOWN	
R6902-1302	2311	AMF-2	-046	UA	WALI UA			A								265	S	S	BEDINGER, J.F.	
						J														
R7008-1201	1825	AJ	03.903-02	UA	WSMR UA					E						222	S	F	HIGGINS, J.E. HINTEREGGER, H.E. CHAGNON, C.W.	
R6910-2301	0500	AD	03.910-02	UA	FTCR CA		B									190	S	S	UNKNOWN	

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RUSTIC TO	RUSTIC (U)	AGENCY NUMBER	ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENT ID										APPROX. AMUGRE	SUSC. EQ		PRIMARY EXPERIMENTER(S)
						1	2	3	4	5	6	7	8	9	0		R	E	
R7008-1202	1502	AO	04.002-01	UA	WSMR UA							E		246	S	S	HINTEREGGER, H.E. HIGGINS, J.E. CHAGNON, C.W.		
R7007-2701	0635	AO	04.004-01	UA	WSMR UA							B		143	S	S	WALKER, R.W. CUNIFF, C.		
R7104-0301	0550	AO	04.004-02	UA	WSMR UA							X		158	S	S	WALKER, R.W.		
R7012-0201	0832	AO	04.004-03	UA	WSMR UA					C		B		189	S	S	HOUCK, J.R.		
R7106-2901	0810	AO	04.004-04	UA	WSMR UA					E				162	P	P	WALKER, R.W.		
R7003-0707	1651	AO	07.01E-01	UA	EGLN UA					Y				105	S	S	WEEKS, L.H. FAIRE, A.C.		
R7101-0801	2231	AO	07.01E-02	UA	WSMR UA					Y				276	S	S	FAIRE, A.C.		
R7103-1201	0513	AO	07.01E-03	UA	WSMR UA					Y				280	S	S	FAIRE, A.C.		
R7105-1801	0221	AO	07.01E-04	UA	EGLN UA					Y				156	S	F	FAIRE, A.C.		
R7003-0706	1810	AO	07.01E-01	UA	EGLN UA					V				69	P	P	WEEKS, L.H. FAIRE, A.C.		
										Y							FAIRE, A.C.		
R7003-0708	1925	AO	07.01E-02	UA	EGLN UA					Y				152	S	S	WEEKS, L.H. FAIRE, A.C.		
R7101-0802	2141	AO	07.01E-03	UA	WSMR UA					Y				278	S	S	FAIRE, A.C.		
R7103-1901	1745	AO	07.01E-02	UA	FTCR CA									164	S	S	VANCOUR, R.P.		
R7003-C705	1809	AO	07.024-01	UA	EGLN UA					G		A		97	S	S	WEEKS, L.H. FAIRE, A.C.		
													F				FAIRE, A.C.		
R7003-0709	1944	AO	07.024-02	UA	EGLN UA								F	99	S	S	WEEKS, L.H. FAIRE, A.C.		
R7005-2101	1206	AO	07.901-01	UA	EGLN UA					V				159	S	S	ROSENBERG, N.W.		
R7005-0802	0144	AO	07.901-02	UA	EGLN UA					V				153	S	S	ROSENBERG, N.W.		
R7005-2102	1031	AO	07.901-03	UA	EGLN UA					V				153	S	S	ROSENBERG, N.W.		
R7005-2103	0201	AO	07.901-04	UA	EGLN UA					V				120	S	S	ROSENBERG, N.W.		
R7005-2201	1112	AO	07.901-05	UA	EGLN UA					V				140	S	S	ROSENBERG, N.W.		
R7011-2001	2219	AO	07.901-06	UA	EGLN UA					V				150	S	S	MACLEOD, H.A. ZIMMERMAN, S. ROSENBERG, N.W.		
R6908-0706	0E30	AO	07.902-01	UA	FTCR CA							D		84	S	P	NARCISI, R.S. ULWICK, J.C.		
R6908-1302	0E23	AO	07.902-02	UA	FTCR CA					G				112	S	S	UNKNOWN		
R6911-0305	0629	AO	07.902-03	UA	FTCR CA					G				117	S	S	NARCISI, R.S.		
R6911-0303	1747	AO	07.902-04	UA	FTCR CA					G				122	S	S	NARCISI, R.S.		
R7003-0730	1939	AU	07.902-05	UA	WALI UA					F				76	S	S	NARCISI, R.S.		
										V									
R7003-0729	1937	AO	07.902-09	UA	WALI UA					F				76	P	P	NARCISI, R.S.		
										V									
R7003-0731	1946	AO	07.902-10	UA	WALI UA					F									

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NSSCC ID	TIME (UT)	AGENCY ID	ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
						1	2	3	4	5	6	7	8	9	0					
R7002-2601	0320	AD	07.907-04	UA	FTCR CA	B	C									101	S	S	SMIDDY, M. MAHON, H.	
R6809-0401	0104	AD	07.913-01	UA	EGLN UA	Y										227	S	S	FAIRE, A. C.	
R6809-0403	0349	AD	07.913-02	UA	EGLN UA	Y										N/A	F	F	FAIRE, A. C.	
R7004-1201	1915	AD	07.913-03	UA	EGLN UA	Y										79	S	F	WEEKS, L. H. FAIRE, A. C.	
R7103-1202	0655	AD	07.913-03	UA	WSMR UA	Y										283	S	P	FAIRE, A. C.	
R7105-1805	0024	AD	07.913-05	UA	EGLN UA	G										145	S	P	FAIRE, A. C. WEEKS, L. H.	
R7011-2002	2219	AD	07.917-01	UA	EGLN UA	V										170	S	S	MACLEOD, M. A.	
R7011-2006	2326	AD	07.917-02	UA	EGLN UA	V										165	S	S	UNKNOWN	
R7011-2005	2326	AD	07.917-03	UA	EGLN UA	V										155	S	S	MACLEOD, M. A. ROSENBERG, N. W.	
R7105-2101	0115	AD	07.917-04	UA	EGLN UA	V										148	S	S	ROSENBERG, N. W.	
R7105-1803	0105	AD	07.917-05	UA	EGLN UA	V										180	S	S	ROSENBERG, N. W.	
R7105-1907	1009	AD	07.917-06	UA	EGLN UA	V										148	S	S	ROSENBERG, N. W.	
R6905-2204	1503	AD	07.918-01	UA	BARS UA	V										170	S	S	DANDEKAR, S. TURTLE, J. P.	
R7105-1806	0108	AD	07.918-02	UA	EGLN UA	V										150	S	S	ROSENBERG, N. W.	
R7105-1901	0114	AD	07.918-03	UA	EGLN UA	V										137	S	S	ROSENBERG, N. W.	
R7105-1802	0305	AD	07.918-04	UA	EGLN UA	V										161	S	S	GOLOMB, D.	
R7105-1902	0206	AD	07.921-01	UA	EGLN UA	V										148	S	S	ROSENBERG, N. W. FAIRE, A. C.	
R7103-1902	1744	AD	08.015-01	UA	FTCR CA		B	D	A							336	S	S	VANCOUR, R. P.	
R6905-2203	1300	AD	08.915-01	UA	BARS UA	V										156	P	P	GOLOMB, D.	
R6906-1501	1405	AD	16.010-1	UA	NATL BR		A									562	P	S	HARVEY, R. LEWIS, E. FIELDS, V.	
R6905-0608	1410	AD	16.010-2	UA	NATL BR		A									616	S	S	HARVEY, R. LEWIS, E. FIELDS, V.	
R6307-3001		AP-3		UA	CPKF UA					A						110	S	S	ULWICK, J. C.	
R6809-2802	1112	ARC	30.753	UA	FTCR CA		X									N/A	F	F	UNKNOWN	
R6809-1604	1550	AT	03.170	UA	WSMR UA						A					12	S	S	UNKNOWN	
R6911-2101	1830	AT	03.532	UA	WSMR UA					E						244	S	S	HINTEREGGER, H. E. ULWICK, J. C.	
R6904-0402	1550	AT	03.534	UA	WSMR UA					E						220	S	S	HINTEREGGER, H. E.	
R6906-2602	1800	AT	03.535	UA	WSMR UA					E						216	S	S	HINTEREGGER, H. E.	
R7002-0701	0531	AT	03.726	UA	WSMR UA		F			B						142	S	S	WALKER, R. G. CUNIFF, C.	
R6903-0702	2240	AT	03.727	UA	NATL BR					C						193	S	S	WALKER, R. G.	
R6903-2101	0453	AT	03.756	UA	FTCR CA		B									152	S	S	ULWICK, J. C.	
R6903-3001	0333	AT	03.759	UA	FTCR CA		B									150	S	S	ULWICK, J. C.	
R6908-0707	0535	AT	07.175	UA	FTCR CA		Y									195	S	S	FAIRE, A. C.	
R6908-0705	0236	AT	07.394	UA	FTCR CA		Y									195	S	S	FAIRE, A. C.	
R6911-0306	0642	AT	07.396	UA	FTCR CA		Y									210	S	S	FAIRE, A. C.	

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						1	2	3	4	5	6	7	8	9	0					
R6911-0308	1232	AT	07.397	UA	FTCR CA	V											167	S	S	FAIRE, A.C.
R6911-0304	2308	AT	07.398	UA	FTCR CA	Y											191	S	S	FAIRE, A.C.
R7011-2003	2223	AT	07.895	UA	EGLN UA	V											120	S	S	PHILBRICK, C.R. DANDEKAR, B.S. TURTLE, J.P.
R7011-2004	2223	AT	07.896	UA	EGLN UA	G D											130	S	S	NARCISI, R.S. PHILBRICK, C.R. ULWICK, J.C.
R6904-1801	0441	AT	08.288	UA	FTCR CA												300	S	S	MCCLAY, J.F.
R7003-0905	0314	AT	08.298	UA	FTCR CA												298	S	S	VANCOUR, R.P.
R5506-2402	1804		DAN-002	UA	WALI UA	F											105	S	S	UNKNOWN
R6506-C601	1745		QASA 006.4	UA	EGLN UA												N/A	S	S	UNKNOWN
R6806-C803	2101		ESROC32/	UA	KIRA SW												135	S	S	LINOBLAD, B.A. GENTNER, W. WITT, G.
R6805-2003	1620		ESROC42/001	UA	KIRA SW												135	S	S	UNKNOWN
R6806-C702	1520		ESROC42/002	UA	KIRA SW												128	S	S	UNKNOWN
R6701-2405	1934		ETR-0381	UA	CPKF UA												288	A	S	UNKNOWN
R6701-2407	2250		ETR-0611	UA	CPKF UA	G C											280	A	S	UNKNOWN
R6701-2503	0300		ETR-0851	UA	CPKF UA	E											284	S	S	UNKNOWN
R6701-2403	1509		ETR-1165	UA	CPKF UA	G C											383	A	S	UNKNOWN
R6701-2404	0900		ETR-1474	UA	CPKF UA	E											283	A	S	UNKNOWN
R6701-2406	1151		ETR-1828	UA	CPKF UA	G C											283	S	S	UNKNOWN
R6701-2501	0630		ETR-1942	UA	CPKF UA	E											288	A	S	UNKNOWN
R6701-2502	1900		ETR-4803	UA	CPKF UA	G C											287	A	S	UNKNOWN
R6703-1403			FERDINAD-015	UA NO	ANDA NO	X											N/A	S	S	KANE, J.A.
R6802-1701	0224	KP	3.22	UA	WSMR UA												183	S	S	RAST, J. J.
R6805-1701	0345	KP	3.24	UA	WSMR UA												159	S	S	BROADFOOT, A.L.
R6912-1205	2213	KP	3.26	UA	WSMR UA												N/A	S	S	HUNTEN,
R6906-1304	0630	KP	3.28	UA	WSMR UA												N/A	S	S	BROADFOOT, A.L.
R6712-0403	1145	KP	03.20	UA	WSMR UA												167	S	S	ANDERSON, R.C.
R6610-0401	2029	NA	3.160	UA	WSMR UA												154	S	S	UNZICKER, A.E. ELWERT, G.
R6501-2101	2030	NA	3.163	UA	WSMR UA												235	S	S	MCNUTT, D.P.
R6609-0203	2250	NA	3.182	UA	WSMR UA												206	S	S	SLOAN, W.A.
R6801-2202	1705	NA	3.201	UA	WSMR UA												175	S	S	FRITZ, G. UNZICKER, A. NIDEY, R.

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					1	2	3	4	5	6	7	8	9	0				
R6809-0402	1450	NA 4.130 UA	UA	WSMR UA											124	S	S	MARTELL, E. A.
R6809-2101	0345	NA 4.174 UG	UA	WSMR UA											173	S	S	CODE, A. D.
R6808-0101	0910	NA 4.224 NA	UA	FTCR CA											115	S	S	BLESS, R. C.
R6807-2702	0430	NA 4.225 UG	UA	WSMR UA											135	S	S	FARLOW, N. H.
R6805-0302	0715	NA 4.227 UG	UA	WSMR UA											171	S	S	BRADT, H. V.
R6807-2701	0355	NA 4.236 UG	UA	WSMR UA											142	S	S	MORTON, D. C.
R6804-2301	2306	NA 4.238 UA	UA	WSMR UA											185	S	S	NOVICK, R.
R6811-1501	0745	NA 4.26E UG	UA	WSMR UA											174	S	S	BARTH, C.
R6804-0901	2126	NA 8.4C UA	UA	WALI UA											800	S	S	DIGGIN, L.
R6805-2502	0519	NA 8.4E UI	UA	FTCR CA											800	S	S	MORTON, D.
R6305-1806	1006	NA-BLANCHE	UA	EGLN UA											43	S	S	DAMON, K.
R6410-1702	1045	NA-BLOSSUM	UA	EGLN UA											N/A	S	S	JUDGE, D.
R6305-1602	0100	NA-CLAIR	UA	EGLN UA											N/A	S	S	GURNETT, A.
R6210-1705	0040	NA-DAGMAR	UA	EGLN UA											N/A	S	S	FRANK, L.
R6511-1804	0034	NA-DOVER	UA	EGLN UA											N/A	S	S	UNKNOWN
R6511-1805	0415	NA-FOUL BAY	UA	EGLN UA											N/A	S	S	UNKNOWN
R6511-1806	0545	NA-GUN HILL	UA	EGLN UA											N/A	S	S	UNKNOWN
R6511-1807	0830	NA-INDIAN GRND	UA	EGLN UA											N/A	S	S	UNKNOWN
R6511-1812	1134	NA-INEZ	UA	EGLN UA											N/A	S	S	UNKNOWN
R6511-1808	1008	NA-JAMESTOWN	UA	EGLN UA											N/A	S	S	UNKNOWN
R6411-1801	1123	NA-LILA	UA	EGLN UA											N/A	S	S	UNKNOWN
R6511-2201	2309	NA-MAXWELL	UA	EGLN UA											N/A	S	S	UNKNOWN
R6511-2302	0259	NA-PARAGON	UA	EGLN UA											N/A	S	S	UNKNOWN
R6210-2503	1121	NA-PAULA	UA	EGLN UA											N/A	S	S	UNKNOWN
R6511-2303	0631	NA-QUEENS FORT	UA	EGLN UA											N/A	S	S	UNKNOWN
R6511-2304	0828	NA-ROCKLEY	UA	EGLN UA											N/A	S	S	UNKNOWN
R6305-1803	0006	NA-SARA	UA	EGLN UA											N/A	S	S	UNKNOWN
R6511-2305	1016	NA-SEAWELL	UA	EGLN UA											N/A	S	S	UNKNOWN
R6305-1804	0318	NA-STELLA	UA	EGLN UA											N/A	S	S	UNKNOWN
R6309-2602	0530	NA-VIOLET	UA	EGLN UA											N/A	S	S	UNKNOWN
R6309-2603	0437	NA-WANDA	UA	EGLN UA											N/A	S	S	UNKNOWN
R6511-2301	0030	NA-WEEDHAMS PO	UA	EGLN UA											N/A	S	S	UNKNOWN
R6511-1603	2215	NA-YORKSHIRE	UA	EGLN UA											N/A	S	S	UNKNOWN
R7108-1003	0530	NASA 13.0E GG	UA	WSMR UA											N/A	S	P	HOLT, S.
R6604-0801	0401	NASA 14.7E UI	UA	WALI UA											159	S	S	HEIKKILA, W. J.
R6611-1201	1401	NASA 14.77 CA	UA	CASS BR											185	S	S	FEJER, J. A.
R6011-2301	1019	NASA 1.01 GI	UA	FTCR CA											91	S	S	SMITH, L. G.
R6011-2701	1748	NASA 1.02 GI	UA	FTCR CA											855	S	S	BEDINGER, J. F.
R6009-1501	1809	NASA 1.03 GP	UA	FTCR CA											76	S	S	WHIPPLE, E. C.
R6105-1701	1922	NASA 1.04 GP	UA	FTCR CA											76	S	S	WHIPPLE, E. C.
R6009-2401	1813	NASA 1.05 GP	UA	FTCR CA											76	S	S	BAUMANN, R. C.
R6105-1901	1803	NASA 1.06 GP	UA	FTCR CA											23	S	S	EVANS, H. E.

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						1	2	3	4	5	6	7	8	9	0					
R6110-1701	2011	NASA	1.07	GA	UA	FTCR	CA									A	65	S	S	DERDEYN,S. WHEELER,W.
R6109-2301	1E27	NASA	1.08	GA	UA	FTCR	CA		G								78	S	S	JEPSON,R.
R6109-3001	2042	NASA	1.09	GA	UA	FTCR	CA		G								73	S	S	LLOYD,W. DERDEYN,S. MARTIN,F.
R6110-1501	1433	NASA	1.10	GA	UA	FTCR	CA		G	X							76	S	S	DERDEYN,S. WHEELER,W.
R6111-0201	1724	NASA	1.11	GA	UA	FTCR	CA		G	X							68	S	S	MARTIN,F. DERDYN,S.
R6111-0501	2011	NASA	1.12	GA	UA	FTCR	CA		G	X							71	S	S	MARTIN,F. DERDYN,S.
R6209-0601	1430	NASA	1.13	NA	UA	WSMR	UA	C									74	S	S	BARTH,C.A.
R6211-2001	1E55	NASA	1.14	NA	UA	WSMR	UA	C									20	S	S	BARTH,C.A.
R5905-1401	1755	NASA	2.01	GT	UA	WALI	UA								A	N/A	S	S	MEDROW,K.R.	
R5905-1501	1710	NASA	2.02	GT	UA	WALI	UA								A	N/A	S	S	MEDROW,K.R.	
R5905-1502	2210	NASA	2.03	GT	UA	WALI	UA								A	N/A	S	S	MEDROW,K.R.	
R5908-0701		NASA	2.04	GT	UA	WALI	UA								A	22	S	S	SORGNIT,E.F.	
R5908-0702		NASA	2.05	GT	UA	WALI	UA								A	50	S	S	SORGNIT,E.F.	
R5908-0703		NASA	2.06	GT	UA	WALI	UA								A	104	S	S	SORGNIT,E.F.	
R6003-0101	2211	NASA	3.01	GS	UA	WALI	UA								A	212	S	S	HALLAM,K.L.	
R6003-0301	2250	NASA	3.02	GS	UA	WALI	UA								A	212	S	S	HALLAM,K.L.	
R6004-2702	2156	NASA	3.03	GS	UA	WALI	UA								A	24	P	P	HALLAM,K.L.	
R6005-2502	2200	NASA	3.04	GS	UA	WALI	UA								A	24	P	P	HALLAM,K.L.	
R6004-1901	0536	NASA	3.05	CA	UA	WALI	UA		V							167	S	S	MANRING,E.R. BEDINGER,J.F. DUBIN,M.	
R6104-1901	0536	NASA	3.05	CA	UA	WALI	UA		V							164	S	S	MANRING,E.R. BEDINGER,J.F. DUBIN,M.	
R6104-2001	2112	NASA	3.06		UA	WALI	UA		V							180	S	S	MANRING,E.R. BEDINGER,J.F. DUBIN,M.	
R6104-2101	0012	NASA	3.06	CA	UA	WALI	UA		V							180	S	S	MANRING,E.R. BEDINGER,J.F. DUBIN,M.	
R6104-2103	0934	NASA	3.07	CA	UA	WALI	UA		V							N/A	S	P	MANRING,E.R. BEDINGER,J.F. DUBIN,M.	
R6104-2102	0939	NASA	3.08	CA	UA	WALI	UA		V							165	S	S	MANRING,E.R. BEDINGER,J.F. DUBIN,M.	
R6109-1603	1002	NASA	3.09	CA	UA	WALI	UA		V							N/A	S	F	MANRING,E.R. BEDINGER,J.F. DUBIN,M.	
R6302-1801	2314	NASA	3.11	CA	UA	WALI	UA		A							25	F	F	MANRING,E.R. BEDINGER,J.F. SMITH,W.S.	

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						1	2	3	4	5	6	7	8	9	0					
R6008-2201	1740	NASA	3.12	CI	UA	WALI	UA										112	S	F	SMITH, L.G.
R5908-1701	0918	NASA	3.13	CA	UA	WALI	UA										236	S	S	MANRING, E.R. BEDINGER, J.F.
R5908-1901	0034	NASA	3.14	CA	UA	WALI	UA										30	S	S	MANRING, E.R. BEDINGER, J.F.
R5911-1801	2217	NASA	3.15	CA	UA	WALI	UA										250	S	S	MANRING, E.R. BEDINGER, J.F.
R5911-1901	1051	NASA	3.16	CA	UA	WALI	UA										255	S	S	MANRING, E.R. BEDINGER, J.F.
R5911-2001	1051	NASA	3.17	CA	UA	WALI	UA										236	S	F	MANRING, E.R. BEDINGER, J.F.
R6109-1601	2139	NASA	3.18	CA	UA	WALI	UA										208	S	S	MANRING, E.R. BEDINGER, J.F. DUBIN, M.
R6109-1701	1003	NASA	3.19	CA	UA	WALI	UA										173	S	S	MANRING, E.R. BEDINGER, J.F. DUBIN, M.
R6204-1702	0943	NASA	3.20	CA	UA	WALI	UA										201	S	S	MANRING, E.R. BEDINGER, J.F. SMITH, W.S.
R6206-0702	0056	NASA	3.21	CA	UA	WALI	UA										162	S	S	MANRING, E.R. BEDINGER, J.F. SMITH, W.S.
R6206-0703	0652	NASA	3.22	CA	UA	WALI	UA										34	F	F	MANRING, E.R. SMITH, W.S.
R6005-2401	0657	NASA	3.23	CA	UA	WALI	UA										26	F	F	BEDINGER, J.F. MANRING, E.R.
R6005-2501	0048	NASA	3.24	CA	UA	WALI	UA										199	S	S	MANRING, E.R. BEDINGER, J.F.
R6008-0901	2010	NASA	3.28	GT	UA	WALI	UA										26	F	F	SORGNIT, E.F.
R6011-0301	2119	NASA	3.29	GT	UA	WALI	UA										193	S	S	SORGNIT, E.F. JENKINS, R.B.
R6101-1701	2125	NASA	3.36	GT	UA	WALI	UA										209	S	S	SORGNIT, E.F.
R6002-1601	2048	NASA	4.01	GT	UA	WALI	UA										3	F	F	MEORON, K.R. BERG, D.E. OLESON, M.W.
R5909-1701	1837	NASA	4.02	II	UA	FTCR	CA										256	S	S	HEIKKILA, W.J.A.
R5909-2001	1735	NASA	4.03	II	UA CA	FTCR	CA										N/A	F	F	HEIKKILA, W.J.A.
R6004-2701	0418	NASA	4.04	GG	UA	WALI	UA										209	S	S	KUPPERIAN, J.F.
R6005-2701	0530	NASA	4.05	GG	UA	WALI	UA										215	S	S	BOGGESE, A.
R6006-2401	0625	NASA	4.06	GG	UA	WALI	UA										211	S	S	BOGGESE, A.3

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						1	2	3	4	5	6	7	8	9	0						
R5909-1401	1727	NASA	4.07	GI	UA	FTCR	CA									B	218	S	S	JACKSON, J.E. BOURDEAU, R.E.	
R5909-1101	1912	NASA	4.08	GI	UA	FTCR	CA									B	227	S	S	JACKSON, J.E. BOURDEAU, R.E.	
R6004-2901	1547	NASA	4.09	GA	UA	WALI	UA										242	S	S	MEADOWS, E.B. HOROWITZ, R.	
R6004-2301	2145	NASA	4.10	GT	UA	WALI	UA									A	246	S	S	MEDROW, K.R. MILLIGAN, J.E.	
R6011-2201	0642	NASA	4.11	GG	UA	WALI	UA										183	S	S	STECHER, T.P.	
R6003-2501	1840	NASA	4.12	GT	UA	WALI	UA								A	A	212	S	S	MEDROW, K.R. BERG, O.E.	
R6409-2601	1204	NASA -GT	4.13	GP	UA	WALI	UA			X					X	D	120	S	S	BUSSE, J.R. DONAHUE, T. RUSSEL, W. FROST, K. HUGGINS, J.	
R6011-1501	1641	NASA	4.14	GA	UA	WALI	UA									D	227	S	S	TAYLOR, H.A.	
R6404-0301	0348	NASA	4.15	GG	UA	WSMR	UA										190	S	S	BOGGESS, A.	
R6008-2301	1701	NASA	4.16	UE	UA	WALI	UA										190	S	S	MEREDITH, L.H. HAYMES, R.C.	
R6506-0201	0622	NASA	4.17	UG	UA	WSMR	UA								F		181	S	F	MORTON, D.C.	
R6203-1901	1530	NASA	4.18	GA	UA	WALI	UA										79	P	F	BRACE, C.H.	
R6104-1401	1715	NASA	4.19	GT	UA	WALI	UA									G	D	206	S	S	DUNKELMAN, L. WHITE, W.A.
R6106-2601	1515	NASA	4.20	GT	UA	WALI	UA									G		187	P	P	DUNKELMAN, L. WHITE, W.A.
R6211-2702	1800	NASA	4.21	US	UA	WSMR	UA								E		203	S	S	GOLDBERG, L.	
R6309-0601	2130	NASA	4.22	US	UA	WSMR	UA								D	C	222	S	S	GOLDBERG, L.	
R6207-2401	2141	NASA	4.23	US	UA	WALI	UA								D	C	208	S	S	SHELDON, C.E.	
R6604-1403	1508	NASA	4.24	US	UA	WSMR	UA								E		192	S	S	RENSE, W.A. PARKER, R. BRUNER, E.	
R6109-3002	1430	NASA	4.25	GS	UA	WALI	UA								F	C	223	S	S	BEHRING, W.E. HALLAM, K.L. FOLLETT, W.H.	
R6206-2001	1329	NASA	4.26	NP	UA	WALI	UA									D	158	S	S	DUNKELMAN FLAGE, R.A.	
R6211-1801	0457	NASA	4.27	NP	UA	WALI	UA									D	206	S	S	CORPAS, E.L.	
R6306-1901	1733	NASA	4.28	NP	UA	WALI	UA									D	189	F	P	CORPAS, E.L.	
R6307-2301	0600	NASA	4.29	GG	UA	WALI	UA							X			177	S	S	STECHER, T.P.	
R6303-2801	0015	NASA	4.30	GG	UA	WSMR	UA								E		300	S	S	BOGGESS, A.	

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						1	2	3	4	5	6	7	8	9	0					
R6310-1001	1033	NASA	4.31	GG	UA	WSMR	UA	C									2	F	F	BOGGESS,A.
R6309-1101	1424	NASA	4.32	NP	UA	WALI	UA										165	S	S	CDRPAE,E.L.
R6310-1501	1605	NASA	4.33	GS	UA	WSMR	UA										197	S	S	MUNEY,W.S.
R6103-3101	0250	NASA	4.34	GS	UA	WALI	UA										72	F	F	BOGGESS,A.
R6202-0702	0438	NASA	4.35	GG	UA	WALI	UA										4	P	F	STECKER,T.P.
R6209-2201	0224	NASA	4.36	GG	UA	WALI	UA										187	P	F	KUPPERIAN,J.E.
R6307-1901	0530	NASA	4.37	GG	UA	WALI	UA										185	S	S	STECHER,T.P.
R6102-0501	1348	NASA	4.38	NP	UA	WALI	UA										152	P	F	GOLD,H.
R6104-2104	1200	NASA	4.39	NP	UA	WALI	UA										154	S	S	GOLD,H.
R6110-1801	1325	NASA	4.40	NP	UA	WALI	UA										152	S	S	REGETZ,J.O. JR.
R6202-1701	1943	NASA	4.41	NP	UA	WALI	UA										157	S	S	DILLON,R.C.
R5108-1201	1057	NASA	4.42	NP	UA	WALI	UA										153	P	P	PLOHR,H.W.
R6010-0501	1952	NASA	4.43	GP	UA	FTCR	CA	J									225	S	S	BAUMANN,R.C.
R6304-2301	2048	NASA	4.44	GI	UA	WALI	UA										199	S	P	BAUER,S.J.
R6411-1103	1818	NASA	4.45	GA	UA	WALI	UA										186	S	S	STONE,R.G.
R6411-1603	1818	NASA	4.45	GA	UA	WALI	UA										188	S	S	CARIGNAN,G.R.
R6205-0801	1505	NASA	4.46	NP	UA	WSMR	UA										196	P	P	BROWN,W.E. JR.
R6207-1001	1500	NASA	4.47	NP	UA	WSMR	UA										200	S	F	BROWN,W.E. JR.
R6205-2502	1243	NASA	4.48	GT	UA	WALI	UA										200	S	P	PRESSLY,E.C.
R6504-1201	1447	NASA	4.49	GS	LA	WSMR	UA										200	S	S	FREDGA,K.
R6602-0202	1004	NASA	4.50	UG	UA	WSMR	UA										175	S	S	MORTON,D.C.
R6605-2401	0507	NASA	4.51	UG	UA	WSMR	UA										132	S	S	MORTON,D.C.
R6411-0301	0757	NASA	4.52	UG	UA	WSMR	UA										127	P	P	MORTON,D.C.
R6510-2601	1525	NASA	4.53	GS	UA	WSMR	UA										195	S	F	FREDGA,K.
R6210-3001	0150	NASA	4.54	UG	UA	WALI	UA										188	S	S	CODE,A.D.
R6409-0201	0308	NASA	4.55	UG	UA	WALI	UA										156	S	S	CODE,A.D.
R6503-1901	0300	NASA	4.57	GG	UA	WSMR	UA										155	S	S	BLESS,R.C.
R6304-0301	1646	NASA	4.58	UI	UA	WALI	UA										237	S	S	BOGGESS,A.
R6307-1001	0246	NASA	4.59	UI	UA	WALI	UA										204	S	S	SCOLNIK,R.
R6208-0801	1655	NASA	4.60	GT	UA	WALI	UA										149	S	S	RORDEN,L.H.
R6306-2001	1425	NASA	4.61	AS	UA	WSMR	UA										195	S	S	ORSAC,L.E.
R6306-2801	1430	NASA	4.62	AS	UA	WSMR	UA										204	S	S	MILLS,M.E.

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						1	2	3	4	5	6	7	8	9	0	R		E		
R6304-1201	0530	NASA	4.96 II	UA	WALI UA			A								198	S	P	CARTWRIGHT,D.G.	
R6305-0901	1802	NASA	4.97 II	UA	WALI UA			A								203	S	S	CARTWRIGHT,D.G.	
R6305-0701	2115	NASA	4.98 UA	UA	WALI UA			E								223	S	S	FASTIE,W.G.	
R6603-0201	1755	NASA	4.99 DS	UA	WALI UA			G								228	S	S	HINTEREGGER,H.E. NEWBURGH,R.G.	
R6603-0301	2154	NASA	4.100 DS	UA	WALI UA											219	S	S	HINTEREGGER,H.E. NEWBURGH,R.G.	
R6608-2601	1813	NASA	4.101 DS	UA	WALI UA											212	S	S	HINTEREGGER,H.E.	
R6703-1401	1714	NASA	4.102 DS	UA	WALI UA											205	S	S	HINTEREGGER,H.E.	
R6703-2201	1656	NASA	4.103 DS	UA	WALI UA											229	S	S	HINTEREGGER,H.E.	
R6709-3001	1614	NASA	4.104 DS	UA	WALI UA											216	S	S	HINTEREGGER,H.E.	
R6506-3003	1430	NASA	4.105 NP	UA	WSMR UA									B		158	S	S	BARATH,F.T.	
R6605-0901	1520	NASA	4.106 NP	UA	WSMR UA									X		174	S	S	BROWN,W.E. JR.	
R6407-2301	1843	NASA	4.107 GE	UA	FTCR UA											233	S	P	FICHTEL,C.E.	
R6407-2501	1735	NASA	4.108 GE	UA	FTCR UA											215	S	S	FICHTEL,C.E.	
R6411-0703	1031	NASA	4.109 GG	UA	WSMR UA											213	S	S	STECHER,T.P.	
R6411-1401	1023	NASA	4.110 GG	UA	WSMR UA											207	S	S	STECHER,T.P.	
R6501-1302	2348	NASA	4.111 NA	UA	WALI UA			G								178	S	S	BARTH,C.A.	
R6506-2901	1900	NASA	4.112 NA	UA	WSMR UA			G								195	S	S	BARTH,C.A. PEARCE,J.B.	
R6404-2101	1618	NASA	4.113 GA	UA	WSMR UA			G	C							11	F	F	BERG,O.E.	
R6504-1702	0515	NASA	4.114 GG	UA	WSMR UA											82	P	S	SCOLNIK,R. BOGGESS,A.	
R6409-1801	1717	NASA	4.115 NA	UA	WALI UA			E	D							168	S	S	BARTH,C.A.	
R6410-3001	1930	NASA	4.116 GS	UA	WSMR UA											189	S	S	MUNEY,W.S.	
R6704-2401	1520	NASA	4.117 GS	UA	WSMR UA											181	S	S	NEPERT,W.M.	
R6411-1602	1831	NASA	4.118 NA	UA	WSMR UA											157	S	S	POCHART,T.R. FARLOW,N.	
R6511-1601	1600	NASA	4.119 NA	UA	WSMR UA											144	S	S	FARLOW,N.H.	
R6410-0201	0235	NASA	4.120 CG	UA	WSMR UA											144	S	P	FISHER,P.C.	
R6510-0101	0130	NASA	4.121 CG	UA	WSMR UA											148	S	S	FISHER,P.C.	
R6408-2901	0530	NASA	4.122 CG	UA	WSMR UA											179	S	P	GIACCONI,R.	
R6410-2701	0058	NASA	4.123 CG	UA	WSMR UA											192	S	S	GRUSKY,H. WATERS,J. GIACCONI,R.	
R6402-2701	0318	NASA	4.124 UA	UA	FTCR CA			B								161	P	S	FASTIE,W.G. DUBIN,M.	
R6412-1701	0655	NASA	4.125 UA	UA	WSMR UA			C								235	S	S	FASTIE,W.G. BARTH,C.A.	
R6408-2201	1015	NASA	4.126 GG	UA	WSMR UA											123	P	S	BOGGESS,A.	
R6504-1501	1045	NASA	4.127 UA	UA	WSMR UA											198	S	S	NIER,A.O.C.	
R6507-1501	2050	NASA	4.128 UA	UA	WSMR UA											196	S	S	NIER,A.O.C.	

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						1	2	3	4	5	6	7	8	9	0					
R6502-1901	0451	NASA	4.125 UA	UA	FTCR CA											0	159	S	S	FASTIE, W.G.
R6412-1601	1430	NASA	4.132 GA	UA	WSMR UA											E	207	S	P	BARTH, C.A.
R6503-0601	0341	NASA	4.133 UG	UA	WSMR UA											A	189	S	S	BERG, O.E.
R6806-0801	1838	NASA	4.134 DS	UA	WSMR UA											E	179	F	F	WHIPPLE, E.C.
R6902-1201	1715	NASA	4.135 DG	UA	WSMR UA											E	188	S	S	MORTON, D.C.
R6911-0406	1929	NASA	4.136 DS	UA	WSMR UA											E	200	S	S	TOUSEY, R.
R6509-1702	2151	NASA	4.138 II	UA	WALI UA											B	182	S	S	PURCELL, J.O.
R6509-2501	2154	NASA	4.139 II	UA	WALI UA											B	192	S	S	BRUECKNER, G.E.
R6506-1701	2107	NASA	4.140 GE	UA	FTCR CA											A	233	S	S	TOUSEY, R.
R6506-2306	1547	NASA	4.141 GE	UA	FTCR CA											A	215	S	S	PURCELL, J.D.
R6510-1903	2000	NASA	4.142 NA	UA	WALI UA											E	179	S	S	STOREY, L.R.C.
R6504-1402	1500	NASA	4.143 NA	UA	WSMR UA											C	163	S	S	STOREY, L.R.C.
R6511-1701	1714	NASA	4.144 DS	UA	WSMR UA											E	134	F	F	FICHTEL, C.E.
R6512-0201	1730	NASA	4.145 GS	UA	WSMR UA											C	185	S	S	GUSS, D.E.
R6510-2001	2035	NASA	4.146 DS	UA	WSMR UA											E	184	S	S	REAMES, D.V.
R6509-2201	1007	NASA	4.147 CG	UA	WSMR UA											F	199	S	S	FICHTEL, C.E.
R6603-0801	0742	NASA	4.148 CG	UA	WSMR UA											F	165	S	S	GUSS, D.E.
R6610-1201	0152	NASA	4.149 CG	UA	WSMR UA											F	144	S	S	REAMES, D.V.
R6509-2801	0910	NASA	4.150 GA	UA	WSMR UA											C	183	S	S	BARTH, C.A.
R6510-1301	0313	NASA	4.151 UG	UA	WSMR UA											D	183	S	S	BARTH, C.A.
R6710-0301	1818	NASA	4.152 GS	UA	WSMR UA											F	184	S	S	BARTH, C.A.
R6611-1207	1615	NASA	4.153 GS	UA	WSMR UA											F	151	S	S	CANNON, H.S.
R6611-2101	1000	NASA	4.154 GG	UA	WSMR UA											E	165	S	S	REAMES, D.V.
R6511-3001	0748	NASA	4.155 GG	UA	WSMR UA											D	179	S	S	GUSS, D.E.
R6608-2903	1520	NASA	4.156 GM	UA	WSMR UA											D	206	S	S	REAMES, D.V.
R6705-0501	0400	NASA	4.157 GG	UA	WSMR UA											E	159	S	S	BARTH, C.A.
R6710-2701	1045	NASA	4.158 GG	UA	WSMR UA											D	160	S	P	BARTH, C.A.
R6607-1601	0532	NASA	4.159 GG	UA	WSMR UA											E	145	S	S	CANNON, H.S.
																C				REAMES, D.V.

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						1	2	3	4	5	6	7	8	9	0						
R6703-0301	0330	NASA	4.16C GG	UA	WSMR UA											E		157	S	S	STECHER, T. P.
R6610-2201	1520	NASA	4.161 NA	UA	WSMR UA											D					
R6602-2001	0530	NASA	4.162 UA	UA	FTCR CA	B										A		149	S	S	FARLOW, N. H.
R6702-1701	0418	NASA	4.163 UA	UA	FTCR CA	B		A										166	S	S	FASTIE, W. G.
R6510-2101	1600	NASA	4.164 UA	UA	WALI UA											D		160	S	S	FASTIE, W. G.
																E		191	S	S	FASTIE, W. G.
R6604-2101	1125	NASA	4.165 UA	UA	WSMR UA											E		154	S	S	FASTIE, W. G.
R6909-1701	1845	NASA	4.166 DS	UA	WSMR UA											E		218	S	S	MOOS, H. W.
R6912-1702	1830	NASA	4.167 DS	UA	WSMR UA											E		204	S	S	HINTEREGGER, H. E.
R6704-C501	0015	NASA	4.168 CS	UA	WSMR UA											F		160	S	S	HINTEREGGER, H. E.
R6802-1901	2315	NASA	4.169 CS	UA	WSMR UA											F		161	S	S	ACTON, L. W.
R6909-2301	1636	NASA	4.170 US	UA	WSMR UA											E		174	S	S	ACTON, L. W.
R6605-1801	0402	NASA	4.171 UG	UA	WALI UA											D		210	S	S	JEFFRIES, J. T.
																E					MCALLISTER, H. C.
R6708-0401	0453	NASA	4.172 UG	UA	WSMR UA											F		130	S	S	CODE, A. D.
																D					BLESS, R. C.
R6805-2503	0640	NASA	4.173 UG	UA	WSMR UA											E		169	S	S	HOUCK, T.
R6912-0503		NASA	4.175 UG	UA	WSMR UA											F		N/A	S	S	CODE, A. D.
R6609-2001	0545	NASA	4.176 UG	UA	WSMR UA											D		165	S	S	BLESS, R. C.
R6803-0101	0230	NASA	4.177 UG	UA	WSMR UA											X		171	S	S	UNKNOWN
R6812-2001	0300	NASA	4.178 UG	UA	WSMR UA											X		161	S	S	MORTON, D. C.
R6706-2102	1949	NASA	4.175 UA	UA	WSMR UA											X		210	S	S	HARWIT, M.
																C					HARWIT, M.
R6612-0201	2109	NASA	4.18C UA	UA	WSMR UA											G		227	S	S	NIER, A. O. C.
R6611-3001	1145	NASA	4.181 UA	UA	WSMR UA											G		219	S	S	NIER, A. O. C.
R6612-1301	0630	NASA	4.182 UG	UA	NATL BR											F		169	S	S	BOWYER, C. S.
R6906-2201	0528	NASA	4.183 UG	UA	NATL BR											F		165	S	P	BOWYER, C. S.
R6809-2401	1630	NASA	4.185 US	UA	WSMR UA											E		180	S	F	GOLDBERG, L.
																					REEVES, E.
R6704-C701	0825	NASA	4.186 UG	UA	WSMR UA											E		176	S	S	PARKINSON, W.
R6708-2601	0436	NASA	4.187 CG	UA	WSMR UA											F		125	S	S	MORTON, D. C.
R6902-1205		NASA	4.188 UA	UA	FTCR CA	X												N/A	F	F	FISHER, P. C.
R6604-2801	1235	NASA	4.189 DS	UA	WSMR UA	X												175	S	S	DUBIN, M.
																					KOONEN, M. J.
R6707-0801	0410	NASA	4.19C UG	UA	WSMR UA											F		142	S	S	PURCELL, J. D.
R6611-1208	1040	NASA	4.191 DS	UA	WSMR UA											E		174	S	S	SLCAN, W. A.
R6909-1102		NASA	4.193 US	UA	WSMR UA											X		N/A	S	S	BRADT, H. V.
R6703-1701	0348	NASA	4.194 DG	UA	WSMR UA											D		193	S	S	KOONEN, M. J.
																E					PURCELL, J. D.
R6610-2501	1725	NASA	4.19E GA	UA	WSMR UA													186	S	S	QERTEL
																A					CARRUTHERS, G. R.
																					HOLMES, J. C.
																					BERG, O. E.
																					MCDONNELL, T.
																					ATKIN, A. C.

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						1	2	3	4	5	6	7	8	9	0				
R6805-0303	0745	NASA	4.196 UG	UA	WSMR UA										F	3	F	F	NOVICK, R.
R6712-0502	1130	NASA	4.197 UA	UA	WSMR UA										D	N/A	S	S	FASTIE, W.G.
R6803-1601	0315	NASA	4.198 GE	UA	WSMR UA										F	153	S	S	BOLDT, E.
R6903-0301	1000	NASA	4.199 GE	UA	WSMR UA										F	163	S	S	SERLEMITSOS, P.
																			HOLT, S.
																			BOLT, E.
																			OLT, S. S.
																			BOLT, E.
R7008-1301	1802	NASA	4.200 DS	UA	WSMR UA										X	N/A	S	S	TOUSEY, R.
R6712-1001	2200	NASA	4.201 NT	UA	WSMR UA											160	S	P	HANSEN, M. Q.
R6803-1903	1615	NASA	4.202 NT	UA	WSMR UA											159	S	S	HANSEN, M. Q.
R6705-0506	0730	NASA	4.203 UG	UA	WSMR UA										D	110	S	S	MORTON, D. C.
R6704-0102	0340	NASA	4.204 GG	UA	WSMR UA										E	139	S	S	UNKNOWN
															D				
R6801-2601	0400	NASA	4.205 GG	UA	WSMR UA										D	160	S	S	STECHER, T. P.
R6901-1001	0243	NASA	4.206 UA	UA	WSMR UA										D	166	S	S	FASTIE, W.G.
R6708-0801	1257	NASA	4.207 UA	UA	WSMR UA											289	S	S	MOOS, H. W.
																			JONES, L. M.
R6803-1503	1904	NASA	4.209 CS	UA	WSMR UA											155	S	S	REIDY, W. P.
R6706-0201	0430	NASA	4.210 GG	UA	WSMR UA											179	S	S	VAIANA, G. S.
																			BOGGESE, A.
																			SMITH, A.
R6707-2003	1924	NASA	4.211 UA	UA	WSMR UA											210	S	S	STECHER, T. P.
R6707-2001	0900	NASA	4.212 UA	UA	WSMR UA											209	S	S	NIER, A. O. C.
R6712-0503	1911	NASA	4.213 NB	UA	WALI UA											137	S	S	NIER, A. O. C.
															X				KRIEGER, R. L.
R6806-2401	2251	NASA	4.214 NB	UA	WALI UA											144	S	S	LANGE, K. O.
																			DETWILER, D.
R6811-2103	2045	NASA	4.215 NB	UA	WALI UA											164	S	S	LANGE, K. O.
																			PETWILLER, D.
R6905-1501	2310	NASA	4.216 NB	UA	WALI UA											158	S	S	LANGE, K. O.
															X				DETWILER, D.
R6802-0901	0441	NASA	4.217 UA	UA	FTCR CA											155	S	S	LANGE, K. O.
																			DONAHUE, T. M.
R6712-0601	1045	NASA	4.219 GG	UA	WSMR UA											210	S	S	FASTIE, W.G.
																			BOGGESE, A.
R6802-0203	0610	NASA	4.220 GG	UA	WSMR UA											149	S	S	SMITH, A.
R6805-1702	0432	NASA	4.221 GG	UA	WSMR UA											165	S	S	STECHER, T. P.
R6706-0601	1420	NASA	4.222 NA	UA	WSMR UA											138	S	S	KONDO, Y.
R6708-1101	0500	NASA	4.223 NA	UA	WSMR UA											141	S	S	FARLOW, N.H.
R6711-0101	1130	NASA	4.224 UG	UA	WSMR UA											176	S	S	FARLOW, N.H.
R6711-2001	1042	NASA	4.228 CG	UA	WSMR UA											144	S	S	MORTON, D. C.
																			GIACCONI, R.
R6711-1401	1005	NASA	4.229 DG	UA	WSMR UA											172	S	S	GURSKY, H.
R6805-2001	1500	NASA	4.230 GS	UA	WSMR UA											165	S	S	CARRUTHERS, G. R.
R6809-3002	1430	NASA	4.231 GS	UA	WSMR UA											203	S	S	FREDGA, K.
R6905-1601	2020	NASA	4.232 GS	UA	WSMR UA											202	S	S	BEHRING, W. E.
R6904-1403	1536	NASA	4.233 GS	UA	WSMR UA											187	S	S	BEHRING, W. E.
																			NEUPERT, W. M.

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NSSCC ID	TIME (UT)	AGENCY	ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS		PRINCIPAL EXPERIMENTER(S)		
						1	2	3	4	5	6	7	8	9	0	R		E				
R6710-1901	1205	NASA	4.235	US	UA	WSMR	UA												182	S	S	RENSE, W. A.
F6811-2102	1515	NASA	4.240	US	UA	WSMR	UA												193	S	S	BRUNER, E.
R6810-0101	1852	NASA	4.241	UA	UA	WSMR	UA												174	S	S	BARTH, C. A.
R6906-1301	1900	NASA	4.242	UA	UA	WSMR	UA												172	S	S	BARTH, C. A. KELLY, K.
R6710-0501	1430	NASA	4.243	DS	UA	WSMR	UA												173	S	S	KOONEN, M. J.
R6804-2701	1505	NASA	4.244	DS	UA	WSMR	UA												166	S	S	TOUSEY, R. KOONEN, M. J.
R6804-2901	1500	NASA	4.245	DS	UA	WSMR	UA												169	S	S	KOONEN, M. J.
R6809-2201	1530	NASA	4.246	DS	UA	WSMR	UA												189	S	S	KOONEN, M. J. TOUSEY, R.
R6904-1601	1620	NASA	4.247	DS	UA	WSMR	UA												188	S	S	TOUSEY, R. KOONEN, M.
R6810-1603	2315	NASA	4.248	CS	UA	WSMR	UA												155	S	S	ACTON, L. W.
R6903-1402	0701	NASA	4.251	GG	UA	WSMR	UA												177	S	S	BOGGESS, A. BLESS, R. C. DAVIS, R.
R6912-1301		NASA	4.252	GG	UA	WSMR	UA												N/A	S	S	BOGGESS, A.
R6803-2201	0724	NASA	4.255	GG	UA	WSMR	UA												208	S	S	SMITH, A. M.
R6910-1601	1030	NASA	4.256	GG	UA	WSMR	UA												205	S	S	SMITH, A. M.
R7007-2702	0437	NASA	4.259	GG	UA	WSMR	UA												N/A	S	S	SMITH, W. S.
R6802-0201	0530	NASA	4.261	CG	UA	WSMR	UA												139	S	F	GIACCONI, R. GURSKY, H. GORENSTEIN, P.
R7002-0702		NASA	4.262	CG	UA	WSMR	UA												N/A	P	P	ROMANS, J. B.
R6806-0802	1741	NASA	4.253	CS	UA	WSMR	UA												151	S	S	REIDY, W. P. VARANA, G. S.
R6812-0702	0611	NASA	4.264	CG	UA	WSMR	UA												149	S	S	GURSKY, H. GORENSTEIN, P.
R6901-3101	0315	NASA	4.266	DG	UA	WSMR	UA												179	S	S	CARRUTHERS, G. R.
R6906-2003	0545	NASA	4.269	UG	UA	WSMR	UA												181	S	S	MORTON, D. C.
R7001-2503	0220	NASA	4.270	UG	UA	WSMR	UA												169	S	S	MORTON, D. C.
R7006-0203		NASA	4.271	UG	UA	WSMR	UA												N/A	S	S	ROMANS, J. B.
R6902-0401	1435	NASA	4.272	UA	UA	FTCR	CA												186	S	S	NIER, A. O. C.
R6902-0601	1435	NASA	4.273	UA	UA	FTCR	CA												138	S	S	NIER, A. O. C.
R6904-1706	1645	NASA	4.274	DS	UA	WSMR	UA												182	S	S	TOUSEY, R. KOONEN, M.
R6904-2701	0322	NASA	4.278	UG	UA	WSMR	UA												158	S	S	BRADT, H. V.
R6910-0301	0224	NASA	4.279	UG	UA	WSMR	UA												158	S	S	BRADT, H. V.
R6904-0801	1700	NASA	4.282	CS	UA	WSMR	UA												176	S	S	REIDY, W. P. VAIANA, G.
R6911-0402	2027	NASA	4.283	CS	UA	WSMR	UA												181	S	S	ZEHNPFENNING, T. F. VAIANA, G.
R6903-0703	0227	NASA	4.286	UG	UA	WSMR	UA												160	S	S	VAN SPEYBROECK, L. NOVICK, R.

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						1	2	3	4	5	6	7	8	9	0						
R6903-1401	0530	NASA NB	4.290 DG 3.210	UA	WSMR UA												154	S	S	FRITZ,G. HENRY,R.C. MEEKINS,J.F.	
R6909-2401	1745	NASA	4.294 US	UA	WSMR UA												200	S	S	RENSE,W.A. BARTH,C.A. BRUNER,E.	
R7007-0201	0601	NASA	4.299 UG	UA	WSMR UA												168	S	P	COOE,A.D. BLESS,R.C.	
R7005-2901		NASA	4.301 UG	UA	WOOD AU												N/A	S	S	ROMANS,J.B.	
R7006-0202		NASA	4.302 UG	UA	WOOD AU												N/A	S	S	DUBIN,M.	
R6902-0801	0319	NASA	4.308 UA	UA	WSMR UA												163	S	S	FASTIE,W.G. MOOS,W.	
R7003-2603	0444	NASA	4.309 UA	UA	FTCR CA	B											164	S	S	FASTIE,W.G. ZIPH,E.	
R7006-0201		NASA	4.311 UG	UA	WSMR UA												N/A	S	S	DUBIN,M.	
R6909-1002	0435	NASA	4.312 UG	UA	WSMR UA												157	S	S	HARBIT,M.	
R7005-2601		NASA	4.316 NG	UA	WOOD AU												N/A	F	F	ROMANS,J.B.	
R7003-0714	1836	NASA	4.317 US	UA	WALI UA												N/A	S	S	REEVES, SPEER.	
R7004-1301		NASA	4.321 UA	UA	WSMR UA	X											N/A	P	P	DUBIN,M.	
R7005-1101		NASA	4.322 UA	UA	FTCR CA		G										N/A	S	S	DUBIN,M.	
R7006-2202	1445	NASA	4.323 US	UA	WSMR UA												N/A	S	S	JEFFRIES,W. JEFFRIES,J.T.	
R7004-2801		NASA	4.326 NA	UA	FTCR CA												N/A	F	F	DUBIN,M.	
R7005-0101		NASA	4.327 NA	UA	FTCR CA												N/A	F	F	DUBIN,M.	
R7003-1402		NASA	4.328 DG	UA	WSMR UA												N/A	P	P	ROMANS,J.B.	
R6007-2202	1205	NASA	5.01 GT	UA	WALI UA												A	224	S	S	SORGNIT,E.F. LANE,J.H.
R6010-1801	1417	NASA	5.02 GT	UA	WALI UA												A	225	S	S	SORGNIT,E.F. LANE,J.H.
R6101-1901	1242	NASA	5.03 GT	UA	WALI UA												A	138	P	P	SORGNIT,E.F. LANE,J.H.
R6205-0301	1803	NASA	5.04 GA	UA	WALI UA												A	113	S	S	TAYLOR,H.A. LANE,J.H.
R6003-1601	2125	NASA	6.01 UI	UA	FTCR CA												C	337	S	S	SPENCER,N.W. BOURDEAU,R.E.
R6006-1501	2256	NASA	6.02 UI	UA	FTCR CA												C	321	S	S	SPENCER,N.W. BOURDEAU,R.E.
R6008-0301	1526	NASA	6.03 UI	UA	WALI UA												C	415	S	S	SPENCER,N.W. BERNING,W.W.
R6103-2601	1654	NASA	6.04 UI	UA	WALI UA												C	386	S	S	BRACE,C.H.
R6112-2201	0424	NASA	6.05 UI	UA	WALI UA												C	365	S	S	BRACE,C.H.
R6211-2002	2141	NASA	6.06 GA	UA	WALI UA												C	345	S	S	BRACE,L.H.
R6304-1801	2100	NASA	6.07 GA	UA	WALI UA												C	342	S	S	CARIGNAN,G.R. MAURER,J.C.
R6307-2006	2154	NASA	6.08 GA	UA	WALI UA												C	338	S	S	BRACE,L.H.

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							1	2	3	4	5	6	7	8	9	0		R	E	
R6401-2901	0309	NASA	6.09	GA	UA	WALI UA	C	C					A	309	S	S	CARIGNAN,G.R.			
R6407-2801	2114	NASA	6.10	GA	UA	FTCR CA	F	E						322	S	S	CARIGNAN,G.R.			
R6503-2001	0542	NASA	6.11	GA	UA	WALI UA	C	C						326	S	S	CARIGNAN,G.R.			
R5912-2201	0756	NASA	8.01	GT	UA	WALI UA						A	A	901	S	S	WINKLER,L.			
R6001-2601	0542	NASA	8.02	GT	UA	WALI UA						A	A	951	S	S	WINKLER,L.			
R6410-0801	0532	NASA	8.03	CA	UA	WALI UA	V	C						1004	S	S	SHARP,G.W.			
R6011-1001	0144	NASA	8.04	CA	UA	WALI UA	E	D						975	S	S	DUBIN,M. HANSON,W.B. HERTZBERG,M.			
R6012-1001	2230	NASA	8.05	CA	UA	WALI UA	A	G						716	S	S	DUBIN,M. BEDINGER,J.F.			
R6109-1301	0932	NASA	8.06	CA	UA	WALI UA	A	C						331	S	S	MANRING,E.R. SMITH,W.S.			
R6006-3001	2025	NASA	8.07	GE	UA	WALI UA	B	A				A		65	F	F	HEPPNER,J.P.			
R6012-1201	2236	NASA	8.08	GE	LA	WALI UA	B	A				A		1140	S	S	HEPPNER,J.P.			
R6106-1301	0512	NASA	8.09	GI	LA	WALI UA	I	A						667	S	S	JACKSON,J.E.			
R6104-2701	2002	NASA	8.10	GI	UA	WALI UA	C	I						724	S	P	JACKSON,J.E.			
R6508-2501	1831	NASA	8.11	UA	UA	WALI UA	X							902	S	S	DAMON,K.R.			
R6607-1201	2100	NASA	8.12	UA	UA	WALI UA	D							1015	S	S	DAMON,K.R.			
R6106-1501	0003	NASA	8.13	IT	UA	WALI UA						A		901	S	S	MOLOZZI,A.R.			
R6307-0201	1418	NASA	8.14	GI	UA	WALI UA	C	E						934	S	S	BAUER,S.J.			
R6106-2401	2317	NASA	8.15	AI	UA	WALI UA	I	C				C		1018	S	S	KNECHT,R.W.			
R6202-0701	1150	NASA	8.16	AI	UA	WALI UA						C		960	S	F	JACKSON,J.E.			
R6110-1401	0426	NASA	8.17	AI	UA	WALI UA						C		1055	S	S	KNECHT,R.W.			
R6411-0504	2039	NASA	8.19	DI	UA	FTCR CA	C	E		A				840	S	S	ZANCANTA,H. CONLEY,J. NAGY,A.F.			
R6411-0702	0514	NASA	8.20	DI	UA	FTCR CA	C	E		A				714	S	S	ZANCANTA,H. CONLEY,J. NAGY,A.F.			
R6205-0302	2000	NASA	8.21	GI	UA	WALI UA	A				A			845	S	S	SERBU,G.P.			
R6109-1302	2353	NASA	8.22	CA	UA	WALI UA	A	C						431	S	S	MANRING,E.R. SMITH,W.S.			
R6110-1001	1740	NASA	8.23	GA	UA	WALI UA	C	D						1544	S	S	SPENCER,N.W. TAYLOR,H.A.			
R6410-1901	1542	NASA	8.24	GI	UA	WALI UA	C	E						840	S	S	HIRAO,K.			

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						1	2	3	4	5	6	7	8	9	0					
R6603-0202	1759	NASA	8.25 GA	UA	WALI UA	G	C										536	S	S	PELZ,D.T. BRACE,L.H. BRINTON,H.C.
R6706-2101	1902	NASA	8.26 UI	UA	WALI UA		D										792	S	S	HANSON,W.B. BRACE,L.H.
R6609-2401	0913	NASA	8.27 IA	UA	WALI UA	V			B								884	S	S	NEUSS,H.
R6501-1301	1712	NASA	8.28 UI	UA	WALI UA	X											1006	S	S	NISBET,J.S. QUINN,T. HALE,L.
R6505-1901	2011	NASA	8.29 UI	UA	WALI UA		C										947	S	S	NISBET,J.S. KING,O.
R6510-0504	0042	NASA	8.30 UI	UA	WALI UA		A										960	S	S	NISBET,J.S. KING,O.
R6401-1701	0501	NASA	8.31 DA	UA	WALI UA	C	G	C									925	S	S	HOFFMAN,J.H.
R6608-1502	2135	NASA	8.32 DA	UA	WALI UA		D										N/A	S	S	JOHNSON,C.Y.
R6410-2301	1600	NASA	8.33 GR	UA	WALI UA		G			A							1100	S	S	WEBER,R.R. ALEXANDER,J.K.,JR.
R6411-0502	1903	NASA	8.34 UA	UA	WALI UA	C											867	S	S	FASTIE,W.G.
R6712-0801	0100	NASA	8.35 UI	UA	FTCR CA		D										805	S	S	HANSON,W.B. BRACE,L.H.
R6509-2301	1436	NASA	8.36 GI	UA	WALI UA		C										805	S	S	SERBU,G.P.
R6505-2601	1901	NASA	8.37 GI	UA	WALI UA		X										N/A	F	F	MAIER,E.J.
R6610-0601	2029	NASA	8.38 GI	UA	WALI UA		C										650	S	S	BARRINGTON,R.E.
R6704-1201	0522	NASA	8.39 GI	UA	FTCR CA		D										798	S	S	HEIKKILA,W.J.A.
R6702-0901	0616	NASA	8.41 UE	UA	FTCR CA	B	X										752	S	S	O'BRIEN,B.J.
R6510-1001	0125	NASA	8.42 UI	UA	WALI UA		X										N/A	F	F	NISBET,J.S. KING,O.
R6705-1701	2058	NASA	8.43 UA	UA	WALI UA		A						A				1006	S	S	DAMON,K.R.
R6605-2007	1504	NASA	8.44 GR	UA	WALI UA					A							918	S	S	STONE,R.G. WEBER,R.R.
R6709-2101	0738	NASA	8.45 UI	UA	WALI UA		B		B								768	S	S	GURNETT,D.A.
R6703-1801	0547	NASA	8.47 UE	UA	FTCR CA	B			B								794	S	S	O'BRIEN,B.J.
R6803-0202	0500	NASA	8.48 UE	UA	FTCR CA	B			B								805	S	S	O'BRIEN,B.J.
R6706-1601	1037	NASA	8.49 IE	UA	NATL BR				C								1100	S	S	PIEPER,G.F. KEPPLER,E.
R6706-1701	0820	NASA	8.50 IE	UA	NATL BR				C								991	S	S	PIEPER,G.F. KEPPLER,E.
R6812-1002	1716	NASA	8.51 UA	UA	FTCR CA		D										837	S	S	DAMON,K.R.
R7009-0101	2010	NASA	8.52 UA	UA	WALI UA		C										N/A	S	S	DONAHUE,T.W.
R6906-2601	1830	NASA	8.53 UI	UA	NATL BR		C										775	S	S	HANSON,W.B.

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						1	2	3	4	5	6	7	8	9	0					
R7002-1801	0734	NASA	8.55	UE	UA	FTCR	CA										494	S	S	ANDERSON, K. A. MOZER, F.
R7004-0301	0459	NASA	8.56	UE	UA	FTCR	CA										557	S	S	ANDERSON, K. A. MOZER, F.
R7003-0718	1847	NASA	8.57	CE	UA	WALI	UA										829	S	S	WAX, R. L.
R6109-1801	1215	NASA	9.01	GG	UA	WCOM	AU										193	S	S	BOGGESE, A.
R6110-0401	1119	NASA	9.02	GG	UA	WCOM	AU										195	S	S	BOGGESE, A.
R6111-0101	1756	NASA	9.03	GG	UA	WCOM	AU										193	S	S	BOGGESE, A.
R6111-2001	1804	NASA	9.04	GG	UA	WCOM	AU										209	S	S	BOGGESE, A.
R6007-1402	0044	NASA	10.01	GA	UA	WALI	UA										28	S	F	NORDBERG, W. P. ALLEN, H. F.
R6105-0501	2300	NASA	10.02	GA	UA	WALI	UA										113	S	S	SMITH, W.
R6006-1601	0529	NASA	10.03	GA	UA	WALI	UA										10	P	F	NORDBERG, W. P. ALLEN, H. F.
R6007-0901	0360	NASA	10.04	GA	UA	WALI	UA										105	S	S	NORDBERG, W. P. ALLEN, H. F.
R6009-2001	2018	NASA	10.05	GA	UA	WALI	UA										19	F	F	NORDBERG, W. P. SMITH, W. S. ALLEN, H. F.
R6012-1401	1652	NASA	10.06	GA	UA	WALI	UA										110	S	S	NORDBERG, W. P. SMITH, W. S. ALLEN, H. F.
R6102-1401	2350	NASA	10.07	GA	UA	WALI	UA										130	S	S	NISBET, J. S. QUINN, T. HALE, L.
R6102-1701	0226	NASA	10.08	GA	UA	WALI	UA										85	P	S	NORDBERG, W. P.
R6011-0201	2225	NASA	10.09	UA	UA	WALI	UA										109	S	F	
R6011-1602	1737	NASA	10.10	UA	UA	WALI	UA										152	S	F	
R6012-0902	2215	NASA	10.11	CA	UA	WALI	UA										24	F	F	DUBIN, M.
R6012-0901	1120	NASA	10.12	CA	UA	WALI	UA										146	S	S	BEDINGER, J. F. DUBIN, M.
R6011-1603	1951	NASA	10.13		UA	FTCR	CA										128	S	S	FICHTEL, E. C.
R6011-1601	1951	NASA	10.13	GE	UA	FTCR	CA										129	S	S	FICHTEL, C. E. DAVIS, L. R.
R6011-1701	0600	NASA	10.14	GE	UA	FTCR	CA										129	S	S	FICHTEL, C. E. DAVIS, L. R.
R6011-1201	2332	NASA	10.15	GE	UA	FTCR	CA										129	S	S	FICHTEL, C. E. DAVIS, L. R.
R6011-1301	1603	NASA	10.16	GE	UA	FTCR	CA										129	S	S	FICHTEL, C. E. DAVIS, L. R.
R6006-0601	1710	NASA	10.17	GE	UA	FTCR	CA										122	S	S	FICHTEL, C. E. DAVIS, L. R.
R6007-2201	0453	NASA	10.18	GE	UA	FTCR	CA										129	P	S	FICHTEL, C. E. DAVIS, L. R.
R6009-0301	1408	NASA	10.19	GE	UA	FTCR	CA										122	S	S	FICHTEL, C. E. DAVIS, L. R.
R6009-0302	1729	NASA	10.20	GE	UA	FTCR	CA										122	S	S	FICHTEL, C. E. DAVIS, L. R. OGILVIE, K. E.

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						1	2	3	4	5	6	7	8	9	0							
R6009-2701	1444	NASA	10.21	GE	UA	FTCR	CA										129	S	P	FICHTEL,C.E. DAVIS,L.R. OGILVIE,K.E.		
R6011-1101	1122	NASA	10.22	GE	UA	FTCR	CA										129	S	S	FICHTEL,C.E. DAVIS,L.R.		
R6011-1103	1211	NASA	10.23	GE	UA	FTCR	CA										129	S	P	FICHTEL,C.E. DAVIS,L.R.		
R6011-1202	1840	NASA	10.24	GE	UA	FTCR	CA										129	S	S	FICHTEL,C.E. DAVIS,L.R.		
R6012-0801	1652	NASA	10.25	CI	UA	WALI	UA										152	S	S	BOURDEAU,R.E. SMITH,L.G.		
R6011-1803	0339	NASA	10.26		UA	FTCR	CA										128	S	S	FICHTEL,E.C.		
R6011-1802	2339	NASA	10.27	GE	UA	FTCR	CA										129	S	S	FICHTEL,C.E. DAVIS,L.R.		
R6105-0601	0454	NASA	10.28	GA	UA	WALI	UA										116	S	S	SMITH,W.		
R6105-0901	1153	NASA	10.29	GA	UA	WALI	UA										117	S	S	SMITH,W.		
R6107-1301	2207	NASA	10.30	GA	UA	WALI	UA										119	S	S	SMITH,W.		
R6107-1403	1602	NASA	10.31	GA	UA	WALI	UA										101	P	P	SMITH,W.		
R6107-2001	1030	NASA	10.32	GA	UA	WALI	UA										124	S	S	SMITH,W.		
R6104-0501	1257	NASA	10.33	GA	UA	WALI	UA										116	S	S	SMITH,W. DUBIN,M.		
R6104-2702	2232	NASA	10.34	GA	UA	WALI	UA										18	P	F	SMITH,W.		
R6107-2101	0350	NASA	10.35	GA	UA	WALI	UA										68	P	F	SMITH,W.		
R6109-1602	2355	NASA	10.36	GA	UA	WALI	UA										88	P	S	SMITH,W.S.		
R6109-1702	1013	NASA	10.37	GA	UA	WALI	UA										92	P	P	SMITH,W.		
R6203-0201	0005	NASA	10.38	GA	UA	WALI	UA										D	113	S	S	SMITH,W.S. NORDBERG,W.P.	
R6203-0205	1115	NASA	10.39	GA	UA	WALI	UA										D	115	S	S	SMITH,W.S. NORDBERG,W.P.	
R6203-2302	2354	NASA	10.40	GA	UA	WALI	UA										D	121	S	S	SMITH,W.S. NORDBERG,W.P.	
R6203-2801	0003	NASA	10.41	GA	UA	WALI	UA										D	123	S	S	SMITH,W.S. NORDBERG,W.P.	
R6204-1701	0928	NASA	10.42	GA	UA	WALI	UA										D	119	S	S	SMITH,W.S.	
R6206-0701	0005	NASA	10.43	GA	UA	WALI	UA										D	120	S	S	SMITH,W.S.	
R6206-0801	0053	NASA	10.44	GA	UA	WALI	UA											117	S	S	SMITH,W.S.	
R6212-0103	2125	NASA	10.45	GA	UA	WALI	UA											126	S	S	SMITH,W.S.	
R6212-0402	0719	NASA	10.46	GA	UA	WALI	UA											50	P	P	SMITH,W.S.	
R6212-0601	0532	NASA	10.47	GA	UA	WALI	UA											119	S	S	SMITH,W.S.	
R6302-2003	2347	NASA	10.48	GA	UA	WALI	UA											113	S	S	SMITH,W.S.	
R6103-1501	1747	NASA	10.49	GT	UA	WALI	UA											A	130	S	S	SORGNIT,E.F.
R6106-0601	2148	NASA	10.50	UA	UA	WALI	UA												150	S	S	SCHULTE,H.J.
R6108-1801	0206	NASA	10.51	CI	UA	WALI	UA												141	S	S	SMITH,L.G.
R6110-2701	0935	NASA	10.52	CI	UA	WALI	UA												148	S	S	SMITH,L.G.
R6302-2802	2211	NASA	10.53	GA	UA	WALI	UA												103	S	S	SMITH,W.S.

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						1	2	3	4	5	6	7	8	9	0					
R6303-0901	0001	NASA	10.54	GA	UA	WALI	UA				A						119	S	S	SMITH, W. S. KATCHEN, L. B.
R6312-0701	1311	NASA	10.55	GA	UA	WALI	UA				Z						103	S	S	SMITH, W. S.
R6106-0901	1802	NASA	10.56	UA	UA	WALI	UA				F	C					142	S	P	SCHAEFER, E. J.
R6107-2601	1922	NASA	10.57	UA	UA	WALI	UA				G	D					143	S	F	SCHAEFER, E. J.
R6302-2002	2334	NASA	10.58	GA	UA	FTCR	CA				G	D					113	S	S	SMITH, W. S. THEON, J. S.
R6302-2801	2148	NASA	10.59	GA	UA	FTCR	CA				Z						113	S	S	SMITH, W. S. THEON, J. S.
R6303-0902	0001	NASA	10.60	CA	UA	FTCR	CA				Z						117	S	S	SMITH, W. S. THEON, J. S.
R6401-2401	0316	NASA	10.61	GA	UA	WALI	UA				Z						119	S	S	SMITH, W. S.
R6402-0402	0146	NASA	10.62	GA	UA	WALI	UA				Z						116	S	S	SMITH, W. S.
R6402-0501	0320	NASA	10.63	GA	UA	WALI	UA				Z						119	S	S	SMITH, W. S.
R6112-2101	1954	NASA	10.64	GA	UA	WALI	UA								A		132	S	S	SPENCER, N. W. BRACE, C. H.
R6211-1602	0559	NASA	10.65	GA	UA	FTCR	CA				Z						16	F	F	SMITH, W. S. THEON, J. S.
R6212-0602	0543	NASA	10.66	GA	UA	FTCR	CA				Z						122	S	S	SMITH, W. S. THEON, J. S.
R6212-0401	0706	NASA	10.67	GA	UA	FTCR	CA				Z						114	S	S	SMITH, W. S. THEON, J. S.
R6212-0104	2134	NASA	10.68	GA	UA	FTCR	CA				Z						108	S	P	SMITH, W. S. THEON, J. S.
R6203-0101	2330	NASA	10.69	GT	UA	WALI	UA				A				A		16	F	S	DONN, B. O.
R6203-0203	1047	NASA	10.70	GT	UA	WALI	UA				A				A		145	S	S	DONN, B. O.
R6401-2902	0411	NASA	10.71	GA	UA	WALI	UA				Z						254	S	S	SMITH, W. S.
R6111-1801	0630	NASA	10.72	NA	UA	WALI	UA				A						142	S	S	LANFORD, W. E.
R6404-1801	0038	NASA	10.73	GA	UA	FTCR	CA				Z						119	S	S	SMITH, W. S.
R6112-2102	2131	NASA	10.74	GI	UA	WALI	UA					C					99	S	S	KANE, J. A.
R6308-0202	2333	NASA	10.75	UA	UA	WALI	UA				F						151	S	S	HANSEN, W. H. PETERSON, J. W.
R6112-1001	1701	NASA	10.76	GE	UA	FTCR	CA				B						132	S	S	OGILVIE, K. FICHEL, C.
R6305-1601	1438	NASA	10.77	IA	UA	SCNM	PA				V						146	S	S	DOUBIN, M.
R6408-0702	0100	NASA	10.78	GA	UA	WALI	UA				Z						119	S	S	SMITH, W. S.
R6204-0501	0431	NASA	10.79	NA	UA	WALI	UA				O	V					70	P	S	POTTER, A. E.
R6301-1701	0144	NASA	10.80	NA	UA	WALI	UA				C						74	S	S	POTTER, A. E.
R6401-2904	0418	NASA	10.81	GA	UA	ASNI	UK				D						124	S	S	THEON, J. S.
R6402-1303	0455	NASA	10.82	GA	UA	ASNI	UK				Z						119	S	S	THEON, J. S.
R6404-1802	0059	NASA	10.83	GA	UA	WALI	UA				Z						119	S	S	SMITH, W. S.
R6408-1203	0149	NASA	10.84	GA	UA	WALI	UA				Z						114	S	S	SMITH, W. S.
R6408-1603	0315	NASA	10.85	GA	UA	WALI	UA				Z						122	S	S	SMITH, W. S.
R6401-2402	0036	NASA	10.86	GA	UA	FTCR	CA				Z						21	F	F	SACHER, P. A. SMITH, W. S.

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						1	2	3	4	5	6	7	8	9	0	R		E		
R6402-0502	0039	NASA	10.87 GA	UA	FTCR CA	Z										126	S	S	SACHER, P. A. SMITH, W. S.	
R6402-1301	0429	NASA	10.88 GA	UA	FTCR CA	Z										119	S	S	SACHER, P. A. SMITH, W. S.	
R6401-2903	0417	NASA	10.89 GA	UA	FTCR CA	Z										122	S	S	SACHER, P. A. SMITH, W. S.	
R6202-2001	1328	NASA	10.90 UA	UA	WALI UA	F	C									132	S	S	SCHAEFER, E. J. DUBIN, M.	
R6205-1801	1801	NASA	10.91 UA	UA	WALI UA	F	C									135	S	S	SCHAEFER, E. J. DUBIN, M.	
R6309-2503	0357	NASA	10.92 NA	UA	WALI UA	V										143	S	S	TOLEFSON, H. B.	
R6309-2502	0434	NASA	10.93 NA	UA	WALI UA	A										151	S	F	TOLEFSON, H. B.	
R6504-2904	1732	NASA	10.94 IA	UA	SCNM PA	Z										N/A	S	S	WITT, W. R.	
R6504-3001	1827	NASA	10.95 IA	UA	SCNM PA	Z										40	F	F	WITT, W. R.	
R6508-0702	1200	NASA	10.96 GM	UA	FTCR CA	Z										113	S	S	SMITH, W. S.	
R6510-1303	1611	NASA	10.97 GM	UA	FTCR CA	Z										124	S	S	SMITH, W. S.	
R6510-1902	1730	NASA	10.98 GM	UA	FTCR CA	Z										124	S	S	SMITH, W. S.	
R6211-0701	1025	NASA	10.99 CI	UA	WALI UA											132	S	S	SMITH, L. G. BOURDEAU, R. E.	
R6203-0102	2323	NASA	10.100 CA	UA	WALI UA	A										135	S	S	MANRING, E. R. SMITH, W. S.	
R6203-0204	1054	NASA	10.101 CA	UA	WALI UA	V										134	S	S	MANRING, E. R. SMITH, W. S.	
R6203-2301	2344	NASA	10.102 CA	UA	WALI UA	V										142	S	S	MANRING, E. R. NORDBERG, W.	
R6203-2701	2348	NASA	10.103 CA	UA	WALI UA	V										117	S	S	MANRING, E. R. NORDBERG, W.	
R6408-0801	0400	NASA	10.104 GA	UA	FTCR CA	Z										139	S	S	SMITH, W. S.	
R6408-1204	0215	NASA	10.105 GA	UA	FTCR CA	Z										126	S	S	SMITH, W. S.	
R6408-1801	0115	NASA	10.106 GA	UA	FTCR CA	Z										124	S	S	SMITH, W. S.	
R6411-0501	1700	NASA	10.107 GA	UA	WALI UA	Z										122	S	S	THEON, J. S.	
R6211-3001	1057	NASA	10.108 CI	UA	WALI UA											122	S	S	SMITH, L. G. BOURDEAU, R. E.	
R6212-0501	2200	NASA	10.109 CI	UA	WALI UA											128	S	S	SMITH, L. G. BOURDEAU, R. E.	
R6204-1901	1600	NASA	10.110 GI	UA	WALI UA											121	S	S	SERBU, G. P. HIRAO, K.	
R6205-1701	0204	NASA	10.111 GI	UA	WALI UA											127	S	S	SERBU, G. P. HIRAO, K.	
R6205-1601	1703	NASA	10.112 GI	UA	WALI UA											121	S	S	SERBU, G. P. HIRAO, K.	
R6408-1802	0125	NASA	10.113 GA	UA	WALI UA	Z										120	S	S	SMITH, W. S.	
R6408-0501	0207	NASA	10.114 GA	UA	ASNI UK	Z										28	P	F	SMITH, W. S.	
R6408-1604	0553	NASA	10.115 GA	UA	ASNI UK	Z										123	S	S	THEON, J. S.	
R6408-1703	1255	NASA	10.116 GA	UA	ASNI UK	Z										122	S	S	THEON, J. S.	
R6411-1902	1902	NASA	10.117 GA	UA	WALI UA	Z										125	S	S	SMITH, W. S.	
R6501-2702	2224	NASA	10.118 GA	UA	WALI UA	Z										117	S	S	SMITH, W. S.	

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					1	2	3	4	5	6	7	8	9	0					
R6502-0402	0510	NASA 10.115 GA	UA	WALI UA	Z											118	S	S	SMITH, W. S.
R6502-0802	2253	NASA 10.120 GA	UA	WALI UA	Z											107	S	S	SMITH, W. S.
R6501-2703	2224	NASA 10.121 GA	UA	FTCR CA	Z											125	S	S	SMITH, W. S.
R6502-0403	1734	NASA 10.122 GA	UA	FTCR CA	Z											N/A	S	S	SMITH, W. S.
R6502-0803	2260	NASA 10.123 GA	UA	FTCR CA	Z											125	S	S	SMITH, W. S.
R6501-2701	2132	NASA 10.124 GA	UA	FTBO UA	Z											N/A	S	S	THEON, J. S.
R6502-0804	0445	NASA 10.125 GA	UA	FTBO UA	Z											121	S	S	THEON, J. S.
R6502-0801	2215	NASA 10.126 GA	UA	FTBO UA	Z											124	S	S	THEON, J. S.
R6505-0301	1823	NASA 10.127 GA	UA	WALI UA	Z											N/A	P	F	SMITH, W. S.
R6507-2301	1705	NASA 10.128 GM	UA	WALI UA	Z											116	S	S	SMITH, W. S.
					V														
R6510-1304	1651	NASA 10.129 GM	UA	WALI UA	Z											110	S	S	SMITH, W. S.
R6305-2201	0110	NASA 10.130 DA	UA	EGLN UA	V											135	S	S	ROSENBERG, N. W.
R6505-2203	0110	NASA 10.130 DA	UA	EGLN UA	V											52	S	S	ROSENBERG, N. W.
R6311-2602	1844	NASA 10.131 UA	UA	WALI UA	Y											151	S	S	HANSEN, W. H. PETERSON, J. W.
R6411-0302	1738	NASA 10.132 GA	UA	WALI UA	Z											122	S	F	THEON, J. S.
R6411-0601	0002	NASA 10.133 GA	UA	WALI UA	Z											120	S	S	THEON, J. S.
R6411-0603	0520	NASA 10.134 GA	UA	WALI UA	Z											120	S	S	THEON, J. S.
R6411-0604	1000	NASA 10.135 GA	UA	WALI UA	Z											125	S	S	THEON, J. S.
R6402-1302	0430	NASA 10.136 GA	UA	WALI UA	Z											119	S	S	SMITH, W. S.
R6403-0701	0145	NASA 10.137 GA	UA	WALI UA	Z											114	S	S	SMITH, W. S.
R6408-0701	0016	NASA 10.138 GA	UA	KRCN SW	Z											130	S	S	SMITH, W. S. WITT, G.
R6408-1202	0111	NASA 10.139 GA	UA	KRCN SW	Z											N/A	S	P	SMITH, W. S. WITT, G.
R6408-1602	0113	NASA 10.140 GA	UA	KRCN SW	Z											135	S	S	SMITH, W. S. WITT, G.
R6404-1701	2315	NASA 10.142 GA	UA	WALI UA	Y											149	P	S	HANSEN, W. H.
R6503-2901	1547	NASA 10.143 GE	UA	UA		B		X								N/A	S	S	DAVIS, T. N. HEPPNER, J. P.
R6602-0401	0154	NASA 10.143 UA	UA	WALI UA	V											152	S	S	PETERSON, J. W.
R6508-1103	1149	NASA 10.144 UA	UA	WSMR UA						A						129	S	P	HENENWAY, C. L.
R6602-1005	1800	NASA 10.145 GM	UA	FTCR CA	Z											122	S	S	SMITH, W. S.
R6609-3001	1835	NASA 10.146 GM	UA	WALI UA	Z											118	S	S	SMITH, W. S.
R6602-0102	2046	NASA 10.147 GM	UA	WALI UA	Z											118	S	S	SMITH, W. S.
R6602-1003	0748	NASA 10.148 GM	UA	WALI UA	Z											114	S	S	SMITH, W. S.
R6602-1006	1841	NASA 10.149 GM	UA	WALI UA	Z											114	S	S	SMITH, W. S.
R6504-2801	2227	NASA 10.150 GA	UA	FTBO UA	Z											N/A	F	F	BHAVSAR, P. D. PRAKASH, S.
R6508-0701	1114	NASA 10.151 GM	UA	FTBO UA	Z											120	S	S	SMITH, W. S.
R6510-1302	1601	NASA 10.152 GM	UA	FTBO UA	Z											N/A	S	S	SMITH, W. S.
R6411-1702	2110	NASA 10.153 GA	UA	UA												160	S	S	HANSEN, W. H.
R6508-0703	1830	NASA 10.154 UA	UA	WALI UA	V											167	S	S	PETERSON, J. W.
R6502-2706	2133	NASA 10.155 UA	UA	UA	Y											N/A	S	S	HANSEN, W. H.
R6503-1102	1036	NASA 10.156 UA	UA	UA	Y											N/A	S	S	HANSEN, W. H.
R6508-0804	0840	NASA 10.157 UA	UA	WALI UA	Z											165	S	S	PETERSON, J. W.
R6601-2501	0152	NASA 10.158 UA	UA	WALI UA	V											167	S	S	PETERSON, J. W.
R6602-0301	1831	NASA 10.159 UA	UA	WALI UA	V											121	S	S	PETERSON, J. W.
R6612-0901	1100	NASA 10.160 GM	UA	WSMR UA	G											N/A	S	S	HILSENATH, E.

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						1	2	3	4	5	6	7	8	9	0					
04/04-1100	0449	NASA	10.161 GM	UA	WALI UA	G										70	S	S	MILSERVATH, E.	
R6508-0704	1440	NASA	10.162 GM	UA	FTBO UA	Z										127	S	S	SMITH, W. S.	
R6508-0803	0415	NASA	10.163 GM	UA	PTBO UA	Z										124	S	S	SMITH, W. S.	
R6508-0901	1010	NASA	10.164 GM	UA	PTBO UA	Z										124	S	S	SMITH, W. S.	
R6508-0905	1445	NASA	10.165 GM	UA	FTCR CA	Z										109	S	S	SMITH, W. S.	
R6508-0902	0400	NASA	10.166 GM	UA	FTCR CA	Z										116	S	S	SMITH, W. S.	
R6508-0905	1002	NASA	10.167 GM	UA	FTCR CA	Z										119	S	S	SMITH, W. S.	
R6508-0706	2006	NASA	10.168 GM	UA	WALI UA	Z										120	S	S	SMITH, W. S.	
R6508-0801	0340	NASA	10.169 GM	UA	WALI UA	Z										122	S	S	SMITH, W. S.	
R6508-0806	1015	NASA	10.170 GM	UA	WALI UA	Z										120	S	S	SMITH, W. S.	
R6504-2301	0301	NASA	10.171 NA	UA	WALI UA	V										128	S	S	HORD, R. A. TOLEFSON, H. B.	
R6510-2303	1638	NASA	10.172 GM	UA	FTCR CA	Z										114	S	S	SMITH, W. S.	
R6510-2702	2348	NASA	10.173 GM	UA	FTCR CA	Z										N/A	S	S	SMITH, W. S.	
R6510-1904	2310	NASA	10.174 GM	UA	WALI UA	Z										114	S	S	SMITH, W. S.	
R6510-2302	1614	NASA	10.175 GM	UA	WALI UA	Z										118	S	S	SMITH, W. S.	
R6510-2801	0010	NASA	10.176 GM	UA	WALI UA	Z										117	S	S	SMITH, W. S.	
R6510-1901	1730	NASA	10.177 GM	UA	PTBO UA	Z										N/A	S	S	SMITH, W. S.	
R6510-2301	1538	NASA	10.178 GM	UA	PTBO UA	Z										N/A	S	S	SMITH, W. S.	
R6510-2701	2348	NASA	10.179 GM	UA	PTBG UA	Z										N/A	S	S	SMITH, W. S.	
R6610-2503	1810	NASA	10.181 A1	UA	WSMR UA		C									119	S	S	WHIPPLE, E. C.	
R6602-0101	2011	NASA	10.182 GM	UA	PTBO UA	Z										117	S	S	SMITH, W. S.	
R6602-1004	0800	NASA	10.183 GM	UA	FTBO UA	Z										N/A	S	S	SMITH, W. S.	
R6602-1007	2130	NASA	10.184 GM	UA	FTBO UA	Z										N/A	S	S	SMITH, W. S.	
R6601-2304	0742	NASA	10.185 CM	UA	FTCR CA	Z										125	S	S	SMITH, W. S.	
R6602-0201	0202	NASA	10.186 GM	UA	FTCR CA	Z										118	S	S	SMITH, W. S.	
R6602-1002	0709	NASA	10.187 GM	UA	FTCR CA	Z										117	S	S	SMITH, W. S.	
R6605-0201	0114	NASA	10.188 GM	UA	WALI UA	Z										131	S	S	SMITH, W. S.	
R6605-0402	0037	NASA	10.189 GM	UA	WALI UA	Z										119	S	S	SMITH, W. S.	
R6605-0101	2210	NASA	10.190 GM	UA	FTBO UA	Z										126	S	S	SMITH, W. S.	
R6605-0301	2201	NASA	10.191 GM	UA	FTBO UA	Z										126	S	S	SMITH, W. S.	
R6605-0204	0232	NASA	10.192 GM	UA	FTCR CA	Z										126	S	S	SMITH, W. S.	
R6605-0401	0008	NASA	10.193 GM	UA	FTCR CA	Z										123	S	S	SMITH, W. S.	
R6605-0202	0119	NASA	10.194 GM	UA	NATL BR	Z										126	S	S	SMITH, W. S.	
R6605-0403	1200	NASA	10.195	UA BR	NATL BR	Z										141	S	S	MENDONCA, F. O. SMITH, W. S.	
R6605-0203	0120	NASA	10.196 GM	UA	NATL BR	Z										125	S	S	SMITH, W. S.	
R6606-2302	0752	NASA	10.197 GM	UA	FTBO UA	Z										N/A	S	S	SMITH, W. S.	
R6606-2301	0635	NASA	10.198 GM	LA	FTCR CA	Z										N/A	S	S	SMITH, W. S.	
R6608-1401	2035	NASA	10.200 GM	UA	FTBO UA	Z										N/A	S	S	SMITH, W. S.	
R6608-1501	0808	NASA	10.201 GM	UA	PTBO UA	Z										N/A	S	S	SMITH, W. S.	
R6608-0703	0504	NASA	10.202 GM	UA	FTCR CA	Z										N/A	S	S	SMITH, W. S.	
R6608-0705	1735	NASA	10.203 GM	UA	FTCR CA	Z										N/A	S	S	SMITH, W. S.	
R6608-0702	0705	NASA	10.204 GM	UA	NATL BR	Z										N/A	S	S	SMITH, W. S.	

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					1	2	3	4	5	6	7	8	9	0	R		E		
R6608-0706	2326	NASA 10.205 GM	UA	NATL BR	Z											N/A	S	S	SMITH, W. S.
R6608-0707	2046	NASA 10.206 GM	UA	WALI UA	Z											N/A	S	S	SMITH, W. S.
R6701-3103	1911	NASA 10.207 GM	UA	WALI UA	Z											110	S	S	SMITH, W. S.
R6703-3103	1719	NASA 10.208 GM	UA	WALI UA	Z											115	S	S	SMITH, W. S.
R6610-0101	0530	NASA 10.209 GM	UA	WALI UA	Z											115	S	S	SMITH, W. S.
R6610-0103	1127	NASA 10.210 GM	UA	WALI UA	Z											126	S	S	SMITH, W. S.
R6610-0102	0820	NASA 10.211 GM	UA	NATL BR	Z											N/A	S	S	SMITH, W. S.
R6610-0104	2039	NASA 10.212 GM	UA	NATL BR	Z											N/A	S	S	SMITH, W. S.
R6610-0201	0220	NASA 10.213 GM	UA	NATL BR	Z											N/A	S	S	SMITH, W. S.
R6610-0202	0820	NASA 10.214 GM	UA	NATL BR	Z											N/A	S	S	SMITH, W. S.
R6610-0203	1409	NASA 10.215 GM	UA	NATL BR	Z											N/A	S	S	SMITH, W. S.
R6701-3106	2348	NASA 10.216 GM	UA	FTBO UA	V											126	S	S	SMITH, W. S.
R6702-0103	0141	NASA 10.217 GM	UA	FTBO UA	V											126	S	S	SMITH, W. S.
R6702-0106	0418	NASA 10.218 GM	UA	FTBO CA	V											126	S	S	SMITH, W. S.
R6702-0109	0741	NASA 10.219 GM	UA	FTBO UA	V											126	S	S	SMITH, W. S.
R6702-0112	0956	NASA 10.220 GM	UA	FTBO CA	V											126	S	S	SMITH, W. S.
R6702-0114	1426	NASA 10.221 GM	UA	FTBO UA	V											126	S	S	SMITH, W. S.
R6702-0301	1752	NASA 10.222 GM	UA	WALI UA	Z											112	S	S	SMITH, W. S.
R6704-1102	1715	NASA 10.223 GM	UA	WALI UA	Z											126	S	S	SMITH, W. S.
R6704-2001	1732	NASA 10.224 GM	UA	WALI UA	Z											107	S	S	SMITH, W. S.
R6704-2901	1139	NASA 10.225 GM	UA	WALI UA	Z											123	S	S	SMITH, W. S.
R6704-0402	0010	NASA 10.226 GM	UA	FTBO UA	Z											N/A	S	S	SMITH, W. S.
R6704-1002	2100	NASA 10.227 GM	UA	FTBO UA	Z											N/A	S	S	SMITH, W. S.
R6704-1801	2008	NASA 10.228 GM	UA	PTBO UA	Z											N/A	S	S	SMITH, W. S.
R6704-3001	0140	NASA 10.229 GM	UA	PTBO UA	Z											N/A	S	S	SMITH, W. S.
R6705-0901	0720	NASA 10.230 GM	UA	FTBO UA	Z											N/A	S	S	SMITH, W. S.
R6705-1501	1140	NASA 10.231 GM	UA	FTBO UA	Z											N/A	S	S	SMITH, W. S.
R6705-0401	2007	NASA 10.232 GM	UA	WALI UA	Z											115	S	S	SMITH, W. S.
R6705-1101	0825	NASA 10.233 GM	UA	WALI UA	Z											129	S	S	SMITH, W. S.
R6802-0701	1600	NASA 10.234 GM	UA	WSMR UA	G											67	S	S	RAST, J.
R6809-1601	1552	NASA 10.235 GM	UA	WALI UA	G											69	S	S	HILSENATH, E.
R6901-1101	0730	NASA 10.236 GM	UA	PTBO UA	G											N/A	S	S	HILSENATH, E.
R6706-2402	2035	NASA 10.237 GM	UA	NATL BR	Z											N/A	S	S	SMITH, A. M.
R6706-2401	0826	NASA 10.238 GM	UA	NATL BR	Z											N/A	S	S	SMITH, W. S.
R6706-2501	0834	NASA 10.239 GM	UA	NATL BR	Z											N/A	S	S	SMITH, W. S.
R6708-2101	0820	NASA 10.240 GM	UA	NATL BR	Z											N/A	F	F	SMITH, W. S.
R6708-2603	1139	NASA 10.241 GM	UA	NATL BR	Z											92	S	S	SMITH, W. S.
R6708-2604	2239	NASA 10.242 GM	UA	NATL BR	Z											95	S	S	SMITH, W. S.
R6708-2801	0030	NASA 10.243 GM	UA	NATL BR	Z											92	S	S	SMITH, W. S.
R6710-1501	1115	NASA 10.244 GM	UA	NATL BR	Z											N/A	S	S	SMITH, W. S.
R6710-1502	2315	NASA 10.245 GM	UA	NATL BR	Z											N/A	S	S	SMITH, W. S.
R6712-1801	1300	NASA 10.246 GM	UA	NATL BR	Z											95	S	S	SMITH, W. S.

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					1	2	3	4	5	6	7	8	9	0		R	E	
R6712-1901	0100	NASA 10.247	UA	NATL BR	Z										96	S	S	SMITH, W. S.
R6710-1401	1120	NASA 10.248 GM	UA	NATL BR	Z										N/A	S	S	SMITH, W. S.
R6712-1202	2159	NASA 10.249 GM	UA	WALI UA	Z										110	S	S	SMITH, W. S.
R6712-1902	1310	NASA 10.250	UA	NATL BR	Z										92	S	S	SMITH, W. S.
R6810-1504	2212	NASA 10.251 GM	UA	FTCR CA	Z										127	S	S	SMITH, W. S.
R6810-1602	0012	NASA 10.252 GM	UA	FTCR CA	Z										123	S	S	SMITH, W. S.
R6807-2408	0500	NASA 10.253 UA	UA	WALI UA	X										155	S	S	DUBIN, M. PETERSON, J.
R6807-2411	1830	NASA 10.254 UA	UA	WALI UA	X										159	S	S	DUBIN, M. PETERSON, J.
R6901-1102	1015	NASA 10.256 GM	UA	PTBO UA	Z										N/A	F	S	SMITH, W. S.
R6807-2410	1019	NASA 10.258 GM	UA	WALI UA	Z										117	S	S	SMITH, W. S.
R6802-0206	1900	NASA 10.259 GM	UA	FTCR CA	A										126	S	S	SMITH, W. S.
					B													
					C													
R6802-0104	1930	NASA 10.260 GM	UA	FTCR CA	A										127	S	S	SMITH, W. S.
					B													
					C													
R6802-0105	2015	NASA 10.261 GM	UA	FTCR CA	A										137	S	S	SMITH, W. S.
					B													
					C													
R6802-0106	2115	NASA 10.262 GM	UA	FTCR CA	A										130	S	S	SMITH, W. S.
					B													
					C													
R6802-0502	2222	NASA 10.263 GM	UA	FTCR CA	A										127	S	S	SMITH, W. S.
					B													
					C													
R6802-0101	1853	NASA 10.264 GM	UA	WALI UA	Z										104	S	S	SMITH, W. S.
					Y													
R6807-2407	0046	NASA 10.265 GM	UA	WALI UA	Z										126	S	S	SMITH, W. S.
R6807-2412	2155	NASA 10.266 GM	UA	WALI UA	Z										84	S	S	SMITH, W. S.
R6902-0003	2109	NASA 10.267 GM	UA	WALI UA	Z										128	S	S	SMITH, W. S.
R6901-3104	2125	NASA 10.268 GM	UA	WALI UA	Z										20	P	P	KRUEGER, A. J.
R6809-1602	1712	NASA 10.269 GM	UA	WALI UA	Z										118	S	S	SMITH, W. S.
R6803-2401	1245	NASA 10.270 GM	UA	NATL BR	Z										120	S	S	SMITH, W. S.
R6803-2502	0600	NASA 10.271 GM	UA	NATL BR	Z										120	S	S	SMITH, W. S.
R6803-2501	1258	NASA 10.272 GM	UA	NATL BR	Z										120	S	S	SMITH, W. S.
R6801-1601	1974	NASA 10.273 GI	UA	WALI UA					C						137	S	S	SOMAYA JULU, Y. V.
R6901-3105	0838	NASA 10.274 GM	UA	PTBO UA					G						N/A	S	S	HILSEN RATH, E.
R6801-1602	1929	NASA 10.275 GI	UA	WALI UA							C				141	S	S	SOMAYA JULU, Y. V.
R7010-1401	1641	NASA 10.276 AM	UA	WALI UA					G				A		116	S	S	HORVATH, J. J. HENDERSON, H.
R7003-2001	2350	NASA 10.277 NA	UA	WSMR UA					C	G	D				56	P	S	POTTER, A. E.
R6809-2704		NASA 10.281 GM	UA	FTCR CA					Z						N/A	S	S	SMITH, W. S.
R6809-1801	0730	NASA 10.282 GM	UA	FTCR CA					Z						N/A	S	S	SMITH, W. S.
R6811-2001	1124	NASA 10.283 GM	UA	FTCR CA					Z						120	S	S	SMITH, W. S.
R6811-2002	1324	NASA 10.284 GM	UA	FTCR CA					Z						114	S	S	SMITH, W. S.
R6812-1301	0311	NASA 10.285 GM	UA	FTCR CA					Z						121	S	S	SMITH, W. S.
R6812-1302	0511	NASA 10.286 GM	UA	FTCR UA					Z						124	S	S	SMITH, W. S.
R6812-1305	0511	NASA 10.286 GM	UA	FTCR CA					Z						126	S	S	SMITH, W. S.

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					1	2	3	4	5	6	7	8	9	0	R		E			
R6810-1501	0100	NASA 10.287 GM	UA	PTBO UA												129	S	S	SMITH, W.S.	
R6810-1502	0300	NASA 10.288 GM	UA	PTBO UA												179	S	S	SMITH, W.S.	
R6811-2201	0031	NASA 10.289 GM	UA	PTBO UA												N/A	S	S	SMITH, W.S.	
R6811-2202	0755	NASA 10.290 GM	UA	PTBO UA												N/A	S	S	SMITH, W.S.	
R6812-1304	0459	NASA 10.291 GM	UA	PTBO UA												N/A	S	S	SMITH, W.S.	
R6811-1901	1800	NASA 10.293 GM	UA	WALI UA												123	S	S	SMITH, W.S.	
R6807-1702	0825	NASA 10.294 GM	UA	WALI UA												201	S	S	SMITH, W.S.	
																			BEDINGER, J.F.	
R6807-1703	0908	NASA 10.295 GM	LA	WALI UA												209	S	S	SMITH, W.S.	
																			BEDINGER, J.F.	
R6903-2803	0732	NASA 10.296 GM	UA	WALI UA												121	S	S	SMITH, W.S.	
R6901-3107	0700	NASA 10.298 GM	UA	PTBO UA												N/A	S	S	SMITH, W.S.	
R6901-1906	0200	NASA 10.299 GM	UA	PTBO UA												N/A	S	S	SMITH, W.S.	
R6902-0402	2230	NASA 10.300 GM	UA	PTBO UA												N/A	S	S	SMITH, W.S.	
R6901-3001	2017	NASA 10.303 GM	UA	FTCR CA												124	S	S	SMITH, W.S.	
R6902-0604	0939	NASA 10.304 GM	UA	FTCR CA												129	S	S	SMITH, W.S.	
R6901-1701	2132	NASA 10.306 GM	UA	WALI UA												112	S	S	SMITH, W.S.	
R6901-3102	1757	NASA 10.307 GM	UA	WALI UA												121	S	S	SMITH, W.S.	
R6903-2904	0715	NASA 10.308 GM	UA	WALI UA												111	S	S	SMITH, W.S.	
R6903-2802	0025	NASA 10.309 GM	UA	AREN SP												121	S	S	AZCARRAGA, A.	
R6903-2903	0005	NASA 10.310 GM	UA	AREN SP												122	S	S	AZCARRAGA, A.	
R6901-1702	1834	NASA 10.313 IM	UA SW	KIRA SW												N/A	S	S	UDIN, I.	
																			SCOTT, A.F.D.	
R6901-1905	1905	NASA 10.314 IM	UA SW	KIRA SW												N/A	S	S	UDIN, I.	
																			SCOTT, A.F.D.	
R6901-2302	2300	NASA 10.315 IM	UA SW	KIRA SW												116	S	S	UDIN, I.	
																			SCOTT, A.F.D.	
R6901-2501	2100	NASA 10.316 IM	UA SW	KIRA SW												118	S	S	UDIN, I.	
																			SCOTT, A.F.D.	
R7007-1601	1600	NASA 10.320 UI	UA	WALI UA												143	S	S	MECHTLY, E.A.	
																			SMITH, L.G.	
R6905-1001	0436	NASA 10.321 GM	UA	WALI UA												128	P	S	SMITH, W.S.	
R6905-0801	0311	NASA 10.322 GM	UA	WALI UA												129	S	S	SMITH, W.S.	
R7001-1413		NASA 10.323 GM	UA	WALI UA												N/A	S	S	SMITH, W.S.	
R7009-1701	1542	NASA 10.324 GM	UA	WALI UA												127	S	S	THEON, J.S.	
R7009-2101	1614	NASA 10.327 UM	UA	WALI UA												A	145	S	S	HORVATH, J.J.
R7107-0203	1437	NASA 10.328 GM	UA CA	FTCR CA												122	S	S	WRIGHT, D.U.	
R7006-2201	1600	NASA 10.332 GM	UA	WALI UA												132	S	P	WRIGHT, D.U.	
R7106-2403	1507	NASA 10.334 GM	UA CA	FTCR CA												124	S	S	WRIGHT, D.U.	
R7107-0201	1442	NASA 10.335 GM	UA	PTBO UA												N/A	F	F	WRIGHT, D.U.	
R7107-0204	2005	NASA 10.336 GM	UA	WALI UA												122	S	S	WRIGHT, D.U.	
R7001-2901		NASA 10.338 GM	UA	PTBO UA												N/A	S	S	SMITH, W.S.	
R7001-2902		NASA 10.339 GM	UA	PTBO UA												N/A	S	S	SMITH, W.S.	
R7002-0302		NASA 10.340 GM	UA	PTBO UA												N/A	S	S	SMITH, W.S.	
R7002-0303		NASA 10.341 GM	UA	PTBO UA												N/A	S	S	SMITH, W.S.	
R7006-1802	1537	NASA 10.342 GM	UA	WALI UA												N/A	S	S	SMITH, W.S.	

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					1	2	3	4	5	6	7	8	9	0					
R7006-2501		NASA 10.342 GM	UA	WALI UA	Z										N/A	F	F	SMITH, W.S.	
R7001-1414	0110	NASA 10.342 CM	UA	WALI UA	V										160	S	S	BEDINGER, J.F.	
R7003-0603		NASA 10.344 GM	UA	WALI UA	G										N/A	S	S	HILSENATH, E.	
R7003-0724		NASA 10.345 GM	UA	WALI UA	G										N/A	S	S	HILSENATH, E.	
R7003-0728	1840	NASA 10.346 GM	UA	WALI UA	C										68	S	P	HILSENATH, E.	
R7101-0702	2001	NASA 10.365 GM	UA	PTBO UA	Z										122	S	S	THEON, J.S.	
R7101-1201	0750	NASA 10.366 GM	UA	PTBO UA	Z										116	S	S	THEON, J.S.	
R7106-2401	1500	NASA 10.367 GM	UA	PTBO UA	Z										111	S	S	WRIGHT, D.U.	
R7107-0202	1559	NASA 10.368 GM	UA	PTBC UA	Z										95	P	S	WRIGHT, D.U.	
R7107-1202	1506	NASA 10.370 GM	UA CA	FTCR CA	Z										125	S	S	WRIGHT, D.U.	
R7106-2402	1510	NASA 10.371 GM	UA	WALI UA	Z										114	S	S	WRIGHT, D.U.	
R7101-0701	2030	NASA 10.372 GM	UA	WALI UA	Z										131	S	S	THEON, J.S.	
R7101-1202	2053	NASA 10.373 GM	UA	WALI UA	Z										133	S	S	THEON, J.S.	
R7107-1203	1606	NASA 10.374 GM	UA	WALI UA	Z										136	S	S	WRIGHT, D.U.	
R7103-1501	0601	NASA 10.375 GM	UA	KFRG FG	G										73	S	S	WRIGHT, D.U.	
R7103-1601	1316	NASA 10.376 GM	UA	KFRG FG	G										76	S	S	WRIGHT, D.U.	
R7110-1301	1516	NASA 10.378G1	UA	WSMR UA				D							81	S	S	AIKIN, A.C.	
																		GOLDBERG, R.A.	
R7110-1302	1928	NASA 10.375G1	UA	WSMR UA				D							81	S	S	AIKIN, A.C.	
																		GOLDBERG, R.A.	
R7103-1801	1939	NASA 10.380 GM	UA	KFRG FG	Z										125	S	S	WRIGHT, D.U.	
R7107-1201	1518	NASA 10.381 GM	UA	PTBO UA	Z										109	S	S	WRIGHT, D.U.	
R7103-1001	1738	NASA 10.382 GM	UA	WALI UA	Z					D					113	S	S	THEON, J.S.	
R7103-1002	1911	NASA 10.382 GM	UA	WALI UA	Z										113	S	S	THEON, J.S.	
R7112-0608	0302	NASA 10.384GM	UA	PTBO UA	Z										N/A	S	S	THEON, J.S.	
		TH2-5742																SMITH, W.S.	
																		WRIGHT, D.U., JR.	
R7112-0607	0802	NASA 10.385GM	UA	PTBO UA	Z										N/A	S	S	THEON, J.S.	
		TH2-5743																SMITH, W.S.	
																		WRIGHT, D.U., JR.	
R7108-2004	1956	NASA 10.385GM	UA	WALI UA	B										126	S	S	HILSENATH, E.	
					C													HORVATH, J. J.	
					F													HENDERSON, H.	
					G														
R7108-2005	0730	NASA 10.390GM	UA	WALI UA	B										132	S	S	HILSENATH, E.	
					C													HORVATH, J. J.	
					F													HENDERSON, H.	
					G														
R7112-0606	1041	NASA 10.392GM	UA	PTBO UA	G										N/A	S	S	HILSENATH, E.	
		TH2-5741																HENDERSON, H.	
																		HORVATH, J. J.	
R7112-0605	1130	NASA 10.394GM	UA	PTBO UA	G										N/A	S	S	HILSENATH, E.	
R6009-1901	1635	NASA 11.01 GE	UA	VNBC UA			C			X					1884	S	S	NAUGLE, J. E.	
																		FICHTEL, C. E.	
R6205-2202	0645	NASA 11.02 UR	UA	WALI UA			C			A					1691	S	S	HADDOCK, F. T.	
																		SCHULTE, H. F.	
R6506-3001	0533	NASA 11.03 UR	UA	WALI UA			C			A					1770	S	S	LINDSAY, W. J.	

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					1	2	3	4	5	6	7	8	9	0								
R6111-1502	1342	NASA 11.04 GB	UA	VNBC UA										C			A	X	1057	F	F	GIB DE BUSK, A. DE SEPRES, F. J. ADLER, H. I. BENDER, M. A. GAULDEN, M. E. EUGSTER, J. A. FOX, S. W. ARADA, K. ECKBERG, D. R. YOUNG, R. S. KNIFFEN, D. BERG, O. E.
R6111-1802	1342	NASA 11.05 GB	UA	VNBC UA										C			A	X	1057	S	S	WINCKLER, J. R. WINKLER, J. R. PFITZER, K. MANZANO, J. R. SPENCER, N. W. COLLINS, F. M. SORGNIT, E. F. GUIDOTTI, J. G.
R6302-1201	0147	NASA 11.06 UE	UA	VNBC UA										C	C				1675	S	S	
R6504-1401	1439	NASA 11.07 UE	UA	WALI UA											X				1660	S	S	
R6105-0201	2115	NASA 12.01 GT	UA	WALI UA													A		14	S	S	
R6412-1101	1300	NASA 12.02 GT	UA	WALI UA													A		2	S	S	
R6404-1505	2325	NASA 12.03 GT	UA	WALI UA													A		727	P	P	
R6902-2801	1657	NASA 12.04 GT	UA	WALI UA													A		215	S	S	
R6503-1903	1809	NASA 12.05 GA	UA	WALI UA															315	S	S	
R6609-2004	1705	NASA 12.06 GT	UA	WSMR UA													A		N/A	S	A	BUSSE, J. R.
R6709-1203	2225	NASA 12.07 GT	UA	WSMR UA													A		N/A	P	P	BUSSE, J. R.
R6802-0501	1900	NASA 12.08 GT	UA	WALI UA													A		119	S	S	SORGNIT, E. F. NOLAN, M. B.
R6804-1701	2013	NASA 12.10 GT	UA	WALI UA													A		N/A	S	S	WOOD, J. F.
R6906-1201	1832	NASA 12.12 GM	UA	WALI UA													A		73	P	P	SMITH, W. S.
P6810-2601	0911	NASA 12.13 GT	UA	WSMR UA															245	S	S	STUART, E. E.
R6809-1301	1431	NASA 12.14 GT	UA	WSMR UA													A		N/A	S	S	KRAFT, G. E. BUSSE, J. R.
R6905-0102	2026	NASA 12.15 GT	UA	WALI UA													A		215	S	S	RUDMANN, A. A.
R6809-2004	1917	NASA 12.16 GT	UA	WALI UA													A		43	P	S	PEDOLSKY, H. R.
R7107-0901	1943	NASA 12.022 GT	UA	WSMR UA													C		N/A	S	S	BUSSE, J. R. WINDSOR, R.
R7002-1403	0530	NASA 13.01 UG	UA	WSMR UA															231	S	S	NOVICK, R.
R7003-0713		NASA 13.03 DS	UA	WALI UA															N/A	S	S	BRUECKNER, G.
R7005-0803	0515	NASA 13.06 UG	UA	WSMR UA															146	S	S	BRADT, H. V.
R7006-2702	0455	NASA 13.12 UG	UA	WSMR UA															175	S	S	GURSKY, H. GORENSTEIN, P.
R7002-0502		NASA 13.13 GT	UA	WALI UA															N/A	S	S	MEDROW, K. R.
R7009-2201	0359	NASA 13.17 DG	UA	WSMR UA															N/A	S	F	CARRUTHERS, G.
R7108-1002	0440	NASA 13.18 DG	UA	WSMR UA															N/A	P	S	CARRUTHERS, G.
R7107-2701	1318	NASA 13.052 UA	UA	WSMR UA															N/A	S	S	HANSEN, W. H.
R7110-2701	1004	NASA 13.056 GG	UA	WSMR UA															N/A	P	S	SMITH, A. M.
R7108-1201	2110	NASA 13.062 DS	UA	WSMR UA															N/A	S	P	TOUSEY, R.
R7110-2301	0345	NASA 13.063 UG	UA	WSMR UA															N/A	S	S	GARMIRE, G. P.
R6105-2501	1703	NASA 14.01 GT	UA	WALI UA															116	S	S	SORGNIT, E. F.

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

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NSSCC ID	TIME (UT)	AGENCY ID	ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
						1	2	3	4	5	6	7	8	9	0					
R6504-1502	1600	NASA	14.25	UA	UA	UA	C	F								N/A	S	S	HORVATH, J. J.	
R6504-0601	1634	NASA	14.26	UA	UA	UA	B	C	B	F						N/A	S	S	HORVATH, J. J.	
R6504-1302	1600	NASA	14.27	UA	UA	UA	C	E		E						N/A	S	S	HORVATH, J. J.	
R6401-1202	2030	NASA	14.28	GT	UA	WALI	UA							A	144	S	S	SORGNIT, E. F.		
R6402-1201	2030	NASA	14.28	GT	UA	WALI	UA							A	145	S	S	SORGNIT, E. F.		
R6411-1901	1634	NASA	14.29	UA	UA	UA	B	C	F						14	F	F	HORVATH, J. J.		
R6208-2301	1710	NASA	14.30	CA	UA	WALI	UA	C	D					D	129	F	F	SHARP, G. W.		
R6210-1601	1506	NASA	14.31	GI	UA	WALI	UA	B	C	E				B	166	S	S	BAUER, S. J. SMITH, L. G.		
R6212-0101	1806	NASA	14.32	GI	UA	WALI	UA	B	E					B	169	S	S	BAUER, S. J.		
R6406-0301	1845	NASA	14.33	GI	UA	WALI	UA	C			D				140	S	P	BAUER, S. J.		
R6408-2601	1701	NASA	14.34	GI	UA	WALI	UA	C			D		D		154	S	S	BAUER, S. J. BOURDEAU, R. E.		
R6302-2001	2318	NASA	14.35	CA	UA	WALI	UA	V							164	S	S	BEDINGER, J. F.		
R6310-0701	2000	NASA	14.36	UA	UA	FTCR	CA			A					165	S	P	ZANCANATA, H.		
R6312-1301	2232	NASA	14.37	GI	UA	WSMR	UA	B	C		D				73	F	F	AIKIN, A. C. KANE, J. A. WHIPPLE, E. C.		
R6401-1503	2234	NASA	14.38	CA	UA	WALI	UA	V							50	F	F	BEDINGER, J. F.		
R6302-2101	2316	NASA	14.39	CA	UA	WALI	UA	V							172	P	P	BEDINGER, J. F.		
R6305-2401	0045	NASA	14.40	CA	UA	WALI	UA	V							205	S	S	BEDINGER, J. F.		
R6305-2402	0900	NASA	14.41	CA	UA	WALI	UA	V							204	S	F	BEDINGER, J. F.		
R6305-2501	0047	NASA	14.42	CA	UA	WALI	UA	V							197	S	S	BEDINGER, J. F.		
R6402-2001	0723	NASA	14.43	GE	UA	FTCR	CA		B	C	D				204	S	S	EVANS, D. S.		
R6402-2901	0532	NASA	14.44	GE	UA	FTCR	CA		B	C	D				200	S	S	EVANS, D. S.		
R6212-0105	2320	NASA	14.45	AA	UA	EGLN	UA	V							222	S	F	ROSENBERG, N. W. DUBIN, M.		
R6212-0301	2320	NASA	14.46	AA	UA	EGLN	UA	V							222	S	S	ROSENBERG, N. W. DUBIN, M.		
R6505-2201	0202	NASA	14.47	UA	UA	ASNI	UK	B	C	F					158	S	S	HORVATH, J. J.		
R6505-2202	1400	NASA	14.48	UA	UA	ASNI	UK	B	C	F					158	S	S	HORVATH, J. J.		
R6407-1501	0058	NASA	14.49	CA	UA	WALI	UA	V							191	S	S	BEDINGER, J. F.		

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

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NSSDC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS										APPROX APOGEE	SUCCESS		PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0		R	E	
R6407-1502	0409	NASA 14.50 CA	UA	WALI UA	V									192	S	S	BEDINGER, J. F.	
R6407-1504	0805	NASA 14.51 CA	UA	WALI UA	V									190	S	S	BEDINGER, J. F.	
R6407-1505	0906	NASA 14.52 CA	UA	WALI UA	V									191	S	S	BEDINGER, J. F.	
R6411-1074	2228	NASA 14.53 CA	UA	WALI UA	V									198	S	S	BEDINGER, J. F.	
R6405-2801	0215	NASA 14.54 DA	UA	WSMR UA							A	A		49	F	F	SOBERMAN, R.	
R6408-0601	2329	NASA 14.55 DA	UA	KRCN SW	K						A			125	S	F	SOBERMAN, R. WITT, G.	
R6408-1201	0043	NASA 14.56 DA	UA	KRCN SW	K						A			121	S	S	SOBERMAN, R.	
R6408-1601	0053	NASA 14.57 DA	UA	KRCN SW	K						A			119	S	S	SOBERMAN, R.	
R6408-1701	0029	NASA 14.58 DA	UA	KRCN SW	K						A			124	S	S	SOBERMAN, R.	
R6607-0701	0815	NASA 14.59 IE	UA PA	THUM IN		B								167	S	S	SASTRY, T. S. G. PRAKASH, S.	
		NASA 14.59 II																
R6412-0701	1756	NASA 14.60 UE	UA	WALI UA		C	C						D	145	S	F	LOCKWOOD, J. A. HOUSTON, R. E.	
R6502-0301	1808	NASA 14.61 UE	UA	WALI UA		C	B				A			141	S	S	LOCKWOOD, J. A. HOUSTON, R. E. CHUPP, E. L.	
						A												
R6503-1812	2043	NASA 14.62 UA	UA	WALI UA	G									158	S	P	FLOWERDAY, T. W.	
R6504-0902	2026	NASA 14.63 UA	UA	UA										N/A	S	S	HORVATH, J. J.	
						C												
						E												
R6503-0802	1748	NASA 14.64 UA	UA	UA		B								N/A	S	S	HORVATH, J. J.	
						C												
						F												
R6503-0901	0626	NASA 14.65 UA	UA	UA		B								N/A	S	S	HORVATH, J. J.	
						C												
						F												
R6504-0401	1606	NASA 14.66 UA	UA	UA		C								N/A	S	S	HORVATH, J. J.	
						B												
						F												
R6504-1305	0405	NASA 14.67 UA	UA	UA		B								N/A	S	S	HORVATH, J. J.	
						C												
						F												
R6512-1502	1919	NASA 14.68 II	UA	NATL BR		C			E					185	S	S	BLUMLE, L. J.	
						B												
R6512-1801	0459	NASA 14.69 II	UA	NATL BR		C			E					188	S	S	BLUMLE, L. J.	
						B												
R6503-2902	1547	NASA 14.70 GE	UA	UA		B		X						N/A	S	S	DAVIS, T. N. HEPPNER, J. P.	
R6506-2302	0159	NASA 14.71 CM	UA	WALI UA	V									204	S	S	BEDINGER, J. F.	
R6506-2301	0103	NASA 14.72 CM	UA	WALI UA	V									191	S	S	BEDINGER, J. F.	
R6506-2304	0447	NASA 14.73 CM	UA	WALI UA	V									196	S	S	BEDINGER, J. F.	
R6506-2305	0852	NASA 14.74 CM	UA	WALI UA	V									143	S	S	BEDINGER, J. F.	
R6509-0901	2358	NASA 14.75 GR	UA	WALI UA		C								171	S	S	STONE, R. G.	
R6511-1801	1431	NASA 14.78 UA	UA	WSMR UA							A			149	S	S	HEMENWAY, C. L.	
R6401-2502	0514	NASA 14.79 UE	UA	THUM IN		B								164	S	S	CAMILL, L. J.	
R6401-2701	0430	NASA 14.80 UE	UA	THUM IN		B								164	S	S	CAMILL, L. J.	
R6401-2905	1000	NASA 14.81 UE	UA	THUM IN		B								167	S	S	CAMILL, L. J.	
R6401-3101	1230	NASA 14.82 UE	UA	THUM IN		B								167	S	S	CAMILL, L. J.	
R6503-1001	1600	NASA 14.83 UE	UA	UA		B								N/A	S	S	CAMILL, L. J.	

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							1	2	3	4	5	6	7	8	9	0			
R6503-1202	1600	NASA	14.E4	UE	UA			G	B						N/A	S	S	CAMILL,L.J.	
R6503-0902	1625	NASA	14.E5	UE	UA	UA		B							N/A	S	S	CAMILL,L.J.	
R6302-2701	1930	NASA	14.E6	CI	UA	WALI UA		C		E	F				151	P	S	SMITH,L.G.	
R6303-2804	2006	NASA	14.E7	CI	UA	WALI UA		E		F					161	P	P	SMITH,L.G.	
R6307-1401	2103	NASA	14.E8	CI	UA	FTCP CA		E		F					172	F	P	SMITH,L.G.	
R6307-2002	2000	NASA	14.E9	CI	UA	FTCP CA		C		D	F				N/A	F	F	SMITH,L.G.	
R6307-2010	2030	NASA	14.F0	CI	UA	FTCR CA		E		D	F				N/A	F	F	SMITH,L.G.	
R6307-2003	2103	NASA	14.F1	CI	UA	FTCR CA		C		D	F				196	S	S	SMITH,L.G.	
R6307-2004	2113	NASA	14.F2	CI	UA	FTCR CA		E		D	F				199	S	S	SMITH,L.G.	
R6307-2005	2140	NASA	14.F3	CI	UA	FTCR CA		C		D	F				200	S	P	SMITH,L.G.	
R6307-2007	2210	NASA	14.F4	CI	UA	FTCR CA		E		D	F				192	S	S	SMITH,L.G.	
R6502-1902	0917	NASA	14.F5	UA	UA	FTCR CA		C		D	F				187	S	S	SCHAEFER,E.J.	
R6607-1101	1912	NASA	14.F6	LA	UA	FTCR CA		O							202	S	S	SCHAEFER,E.J.	
R6708-0303		NASA	14.F7	UM	UA	FTBC UA		J							N/A	S	S	SMITH,W.S.	
R6503-1101	0935	NASA	14.F8	UA	UA	UA		G							N/A	S	S	SCHAEFER,E.J.	
R6503-1103	2007	NASA	14.F9	UA	UA			C											
R6504-1503	1202	NASA	14.100	UA	UA	UA		F							N/A	S	F	SCHAEFER,E.J.	
R6504-1304	1906	NASA	14.101	UA	UA	UA		G							N/A	F	F	SCHAEFER,E.J.	
R6310-0901	2214	NASA	14.102	NA	UA	WALI UA		F											
R6310-1002	2213	NASA	14.103	NA	UA	WALI UA								X	158	S	S	POTTER,A.E.	
R6411-0503	2038	NASA	14.104	OI	UA	FTCR CA				A				X	157	S	S	POTTER,A.E.	
R6411-0701	0513	NASA	14.105	DI	UA	FTCR CA				A					145	S	S	ZANCANATA,H.	
R6401-1502	2240	NASA	14.106	CA	UA	WALI UA												CONLEY,J.	
R6303-0801	1930	NASA	14.107	GI	UA	WALI UA		V							149	S	S	ZANCANATA,H.	
R6304-0901	2028	NASA	14.108	GI	UA	WALI UA		B							114	P	S	BEDINGER,J.F.	
R6511-2003	0037	NASA	14.109	GI	UA	ANDA ND		C							155	S	S	WHIPPLE,E.C.	
R6603-2101	0003	NASA	14.109	GI	UA	ANDA ND													
R6305-0801	1723	NASA	14.110	CA	UA	WALI UA		C		E	F				163	S	S	KANE,J.A.	
								D							122	S	S	KANE,J.A.	
								X							N/A	S	S	KANE,J.A.	
								C							166	S	P	SHARP,G.W.	

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NSSEC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0					
R6310-3102	2117	NASA 14.111 GT	UA	WALI UA											A B	134	S	S	WILLIAMS, L. A.
R6411-1102	2227	NASA 14.112 CA	UA	WALI UA				V								202	S	S	BEDINGER, J. F.
R6411-1202	1056	NASA 14.113 CA	UA	WALI UA				V								204	S	S	BEDINGER, J. F.
R6411-1003	2225	NASA 14.114 CA	UA	WALI UA				V								N/A	S	S	BEDINGER, J. F.
R6411-1101	2224	NASA 14.115 CA	UA	UA				V								156	S	S	BEDINGER, J. F.
R6411-1201	1053	NASA 14.116 CA	UA	UA				V								204	S	S	BEDINGER, J. F.
R6411-2301	1707	NASA 14.117 GI	UA	WALI UA					C		D					178	S	S	DONLEY, J. SPALD, G. BLUMLE, L. EVANS, D. S.
R6403-2401	0423	NASA 14.118 GE	UA	FTCR CA						B C D						188	S	S	
R6403-2601	0330	NASA 14.119 GE	UA	FTCR CA						C						193	S	S	EVANS, D. S.
R6403-2501	0325	NASA 14.120 GE	UA	FTCR CA						B C D						179	S	F	EVANS, D. S.
R6404-1101	0630	NASA 14.121 UE	UA	FTCR CA				B E								172	S	S	MURCRAE, W. B.
R6404-1502	0640	NASA 14.122 UE	UA	FTCR CA				B E								157	S	F	MURCRAE, W. B.
R6404-2201	0654	NASA 14.123 UE	UA	FTCR CA				B E								166	S	S	MURCRAE, W. B.
R6511-2401	0404	NASA 14.124 UE	UA	FTCR CA				B								N/A	S	S	MURCRAE, W. B.
R6401-1601	0500	NASA 14.125 CA	UA	WALI UA				V								170	S	S	BEDINGER, J. F.
R6401-1602	1134	NASA 14.126 CA	UA	WALI UA				V								200	S	S	BEDINGER, J. F.
R6407-1601	1622	NASA 14.127 GI	UA	WALI UA												N/A	S	S	STONE, R. G. ALEXANDER, J. K.
R6311-2101	1255	NASA 14.128 IA	UA	THUM IN				V								202	S	P	BHAVSAR, P. D.
R6401-0801	1315	NASA 14.129 IA	UA	THUM IN				V								171	S	S	BHAVSAR, P. D.
R6401-1201	0026	NASA 14.130 IA	UA	THUM IN				V								171	S	S	BHAVSAR, P. D.
R6411-0602	0008	NASA 14.131 IA	UA	THUM IN				V								192	S	S	MEORON, K. R. SARABHAI, B. A.
R6504-0101	0207	NASA 14.132 NA	UA	WALI UA				V								139	S	S	POTTER, A. E.
R6508-1901	0140	NASA 14.133 NA	UA	WALI UA				X								144	S	P	POTTER, A. E.
R6404-C901	1422	NASA 14.134 IA	UA	SONM PA				V								160	S	F	MEHMUD, S.
R6411-3001	1311	NASA 14.135 IA	UA	SONM PA				V								200	S	S	MEHMUD, S.
R6412-0101	0129	NASA 14.136 IA	UA	SONM PA				V								200	S	S	MEHMUD, S.
R6305-2001		NASA 14.137 IA	UA	SARA IT				V								N/A	S	S	BROGLIO, L.
R6305-2101		NASA 14.138 IA	UA	SARA IT				V								N/A	S	S	BROGLIO, L.
R6305-2102		NASA 14.139 IA	UA	SARA IT				V								N/A	S	S	BROGLIO, L.
R6305-1802	1006	NASA 14.140 DA	UA	EGLN UA				V								187	S	S	ROSENBERG, N. W.
R6305-1801	0106	NASA 14.141 DA	UA	EGLN UA				V								185	S	S	ROSENBERG, N. W.
R6501-0701	0350	NASA 14.142 NA	UA	WALI UA				C F Y								146	S	S	POTTER, A. E.
R6404-1601	2105	NASA 14.143 UI	UA	WALI UA						C D						168	S	S	SMITH, L. G. BOWHILL, S. A.
R6407-1503	0200	NASA 14.144 UI	UA	WALI UA						C D E						154	S	S	SMITH, L. G. BOWHILL, S. A. WAGER, J. H.

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NSSDC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS R E	PRINCIPAL EXPERIMENTER(S)	
					1	2	3	4	5	6	7	8	9	0					
R6407-1506	0920	NASA 14.145 UI	UA	WALI UA												161	S	S	SMITH, L.G. BOWHILL, S.A.
R6407-1507	1025	NASA 14.146 UI	UA	WALI UA												171	S	S	SMITH, L.G. BOWHILL, S.A.
R6411-1002	1107	NASA 14.147 UI	UA	WALI UA												117	S	S	SMITH, L.G. BOWHILL, S.A.
R6411-1904	2202	NASA 14.148 UI	UA	UA												170	S	S	SMITH, L.G. BOWHILL, S.A.
R6411-1903	2020	NASA 14.149 UI	UA	WALI UA												167	S	S	SMITH, L.G. BOWHILL, S.A.
R6401-1501	0231	NASA 14.150 UE	UA	WALI UA												90	P	P	O'BRIEN, B.J.
R6403-1801	0611	NASA 14.151 UE	UA	FTCR CA												135	S	S	O'BRIEN, B.J.
R6403-2001	0523	NASA 14.152 UE	UA	FTCR CA												140	S	S	O'BRIEN, B.J.
R6403-2301	1037	NASA 14.153 UE	UA	FTCR CA												140	S	S	O'BRIEN, B.J.
R6407-0901	0413	NASA 14.154 UE	UA	WALI UA												167	S	S	O'BRIEN, B.J.
R6406-1002	1510	NASA 14.155 GE	UA	WALI UA												146	S	S	DAVIS, T.N.
R6406-2501	1458	NASA 14.156 GE	UA	WALI UA												150	S	S	DAVIS, T.N.
R6406-2601	0053	NASA 14.157 GE	UA	WALI UA												156	S	S	DAVIS, T.N.
R6410-0701	2219	NASA 14.158 GE	UA	WALI UA												14	F	F	DAVIS, T.N.
R6410-0803	1034	NASA 14.159 GE	UA	WALI UA												141	S	S	DAVIS, T.N.
R6503-0801	1535	NASA 14.160 GE	UA	UA												N/A	S	S	DAVIS, T.N.
R6703-0601	1327	NASA 14.161 IA	UA IN	THUM IN												N/A	S	F	HEPPNER, J.P. BHAVSAR, P.D.
R6703-0902	1327	NASA 14.162 IA	UA	THUM IN												N/A	S	F	BHAVSAR, P.D. PRAKASH, S.
R6703-1201	1327	NASA 14.163 IA -II	UA	THUM IN												155	S	P	BHAVSAR, P.D. PRAKASH, S.
R6609-1604	1554	NASA 14.164 UI	UA	WALI UA												166	S	S	BETTINGER, R.T.
R6607-1401	1515	NASA 14.166 II	UA FP	WALI UA												195	S	S	RAWER, K. BAUER, G.J.
R7101-2901	1703	NASA 14.167 GI	UA	KEWE UA												122	S	S	AIKIN, A.C.
R6511-0903	1840	NASA 14.168 UA	UA	FTCR CA												N/A	S	S	CARIGNAN, G.R. HORVATH, J.J.
R6511-1001	0630	NASA 14.169 UM	UA	FTCR CA												N/A	F	F	CARIGNAN, G.R. HORVATH, J.J.
R6508-1501	2135	NASA 14.170 UA	UA	WSMR UA												160	S	S	HEMENWAY, C.L.
R6608-1503	2135	NASA 14.170 UA	UA	WSMR UA												160	S	S	HEMENWAY, C.L.
R6503-1601	1615	NASA 14.171 GE	UA	UA												N/A	S	S	DAVIS, T.N. HEPPNER, J.P.
R6503-1801	0604	NASA 14.172 GE	UA	UA												N/A	S	S	DAVIS, T.N. HEPPNER, J.P.
R6503-2601	1541	NASA 14.173 GE	UA	UA												N/A	S	S	DAVIS, T.N. HEPPNER, J.P.

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					1	2	3	4	5	6	7	8	9	0						
R6503-2401	1634	NASA 14.174 GE	UA	UA		C										N/A	S	S	AIKIN, A.C. BLUMLE, L.J.	
R6503-2702	1808	NASA 14.175 GE	UA	UA		A										N/A	S	S	DAVIS, T.N. HEPPNER, J.P.	
R6503-1803	1601	NASA 14.176 GE	UA	UA		B										N/A	S	S	DAVIS, T.N. HEPPNER, J.P.	
R6503-1602	1651	NASA 14.177 GI	UA	UA		C										N/A	S	S	AIKIN, A.C. BLUMLE, L.J.	
R6503-1802	0641	NASA 14.178 GI	UA	UA		C										N/A	S	S	AIKIN, A.C. BLUMLE, L.J.	
R6503-1804	1638	NASA 14.179 GI	UA	UA		C										N/A	S	S	AIKIN, A.C. BLUMLE, L.J.	
R6503-2402	1707	NASA 14.180 GI	UA	UA		C										N/A	S	S	AIKIN, A.C. BLUMLE, L.J.	
R6503-2602	1613	NASA 14.181 GI	UA	UA		C										N/A	S	S	AIKIN, A.C. BLUMLE, L.J.	
R6503-2701	0300	NASA 14.182 GI	UA	UA		A										N/A	S	S	AIKIN, A.C. BLUMLE, L.J.	
R6608-2401	2100	NASA 14.183 UE	UA	FTCR CA		E	C			F						157	S	S	LOCKWOOD, J.A.	
R6504-0502	1942	NASA 14.184 UE	UA	UA			C			E						N/A	S	S	HOUSTON, R.E. LOCKWOOD, J.A.	
R6504-0201	1322	NASA 14.185 UE	UA	UA			F	C		F						N/A	S	S	HOUSTON, R.E. LOCKWOOD, J.A.	
R6504-1303	1710	NASA 14.186 UE	UA	UA			C			E						N/A	S	S	LOCKWOOD, J.A. HOUSTON, R.E.	
R6800-0802	1935	NASA 14.187 UM	UA	WALI UA			Y									152	S	S	MORVATH, J.J.	
R6602-1001	0542	NASA 14.188 GE	UA	FTCR CA		B				B						178	S	S	EVANS, D.S.	
R6602-1701	0256	NASA 14.189 GE	UA	FTCR CA		B				B						209	S	S	EVANS, D.S.	
R6603-1401	0513	NASA 14.190 GE	UA	FTCR CA		B				B						N/A	S	S	EVANS, D.S.	
R6410-0802	1023	NASA 14.194 CA	UA	WALI UA			V	C								160	S	S	SMITH, L.G. BEDINGER, J.F.	
R6410-0702	2304	NASA 14.195 CA	UA	WALI UA			V	C								172	S	S	SMITH, L.G. BEDINGER, J.F.	
R6502-2801	0021	NASA 14.196 CA	UA	FTCR CA				X								170	S	S	SMITH, L.G. BEDINGER, J.F.	
R6411-0101	0600	NASA 14.197 CA	UA	FTCR CA			V	C								162	S	S	SMITH, L.G. BEDINGER, J.F.	
R6502-2802	0330	NASA 14.198 GA	UA	FTCR CA				X								5	F	F	SMITH, L.G. BEDINGER, J.F.	
R6502-2803	0600	NASA 14.199 CA	UA	FTCR CA				X								7	F	F	SMITH, L.G. BEDINGER, J.F.	
R6502-2804	1211	NASA 14.200 CA	UA	FTCR CA				X								55	F	F	SMITH, L.G. BEDINGER, J.F.	
R6506-2303	0400	NASA 14.201 CA	UA	WALI UA				X								164	S	S	SMITH, L.G. BEDINGER, J.F.	
R6510-0502	2321	NASA 14.202 CA	UA	FTCR CA				C								206	S	S	BEDINGER, J.F. SMITH, L.G.	
R6510-0601	0300	NASA 14.203 CA	UA	FTCR CA				X								N/A	F	F	DUBIN, M.	
R6411-0901	1254	NASA 14.204 IA	UA	THUM IN			V									192	S	S	MEDROW, K.R. SARABHAI, B.A.	

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					1	2	3	4	5	6	7	8	9	0					
R6411-1001	0005	NASA 14.205 IA	UA	THUM IN	V											192	S	S	MEOROW, K. R.
R6702-1203	1700	NASA 14.206 IA -II	UA PA	THUM IN	V	C										183	S	S	SARABHAI, B. A.
R6504-0301	0638	NASA 14.207 UE	UA	FTCR CA	B		X									205	S	S	BHAYSAR, P. D.
R6802-2205	1102	NASA 14.208 CA	UA	WALI UA	A											168	S	S	PRAKASH, S.
					V													O'BRIEN, B. J.	
					F													SMITH, W. S.	
R6412-1603	1457	NASA 14.209 GI	UA	WSNR UA	A											195	S	S	AIKIN, A. C.
					C													WHIPPLE, E. C.	
R6508-2401	2159	NASA 14.210 GI	UA	WALI UA	C											162	S	S	BOURDEAU, R. E.
					B					E									
R6602-2501	1359	NASA 14.211 IA REHAR-9	UA PA	SCNM PA	V											200	S	S	RAHMATULLAH, M.
R6602-2601	1359	NASA 14.212 IA REHAR-10	UA PA	SCNM PA	V											200	S	F	RAHMATULLAH, M.
R6509-0101	1117	NASA 14.213 UI	UA	WALI UA			D									150	S	S	HEIKKLA, W. J. A.
R6509-0301	0517	NASA 14.214 UI	UA	WALI UA			X									153	S	P	FEJER, J. A.
R6506-1801	1756	NASA 14.215 AI	UA	WALI UA			X									186	S	P	HEIKKLA, W. J. A.
																		FEJER, J. A.	
R6604-0402	1652	NASA 14.216 AI	UA	WALI UA			C									174	S	S	HUGILL, J.
R6609-3002	2350	NASA 14.217 GM	UA	WALI UA			Z									153	S	S	DUNHAM, W. L.
R6607-2001	1950	NASA 14.218 GE	UA	FTCR CA									C		N/A	S	S	CALVERT, W.	
																		SMITH, W. S.	
R6609-0201	1600	NASA 14.219 GE	UA	FTCR CA				C							N/A	S	S	DURGAPRASAD, N.	
																		FICHTEL, C.	
R6609-0202	2227	NASA 14.220 GE	UA	FTCR CA				C							159	S	S	DURGAPRASAD, N.	
																		FICHTEL, C.	
R6609-0301	1724	NASA 14.221 GE	UA	FTCR CA				C							160	S	S	DURGAPRASAD, N.	
																		FICHTEL, C.	
R6806-1001	0025	NASA 14.222 GE	UA	FTCR CA				X							149	S	F	BERTSCH, D. L.	
R6509-1801	2202	NASA 14.224 IA	UA	CORE SM	V										N/A	S	S	VELDKAMP, J.	
R6509-2101	2200	NASA 14.225 IA	UA	CORE SM	V										N/A	S	S	VELDKAMP, J.	
R6509-2401	0852	NASA 14.226 IA	UA	CORE SM	V										N/A	S	S	VELDKAMP, J.	
R6509-2701	0854	NASA 14.227 IA	UA	CORE SM	V										N/A	S	S	VELDKAMP, J.	
R6503-2002	1320	NASA 14.228 UI	UA	UA				D							N/A	S	S	BOWHILL, S. A.	
								C										SMITH, L. G.	
R6503-2301	0931	NASA 14.229 UI	UA	UA				C							N/A	S	F	BOWHILL, S. A.	
								A										SMITH, L. G.	
R6504-0501	1345	NASA 14.230 UI	UA	UA				C	C						N/A	S	S	BOWHILL, S. A.	
																		SMITH, L. G.	
R6504-0901	1918	NASA 14.231 UI	UA	UA				D							N/A	S	S	BOWHILL, S. A.	
								E										SMITH, L. G.	
R6504-1202	1714	NASA 14.232 UI	UA	UA				C							N/A	S	S	BOWHILL, S. A.	
								E										SMITH, L. G.	
R6411-1701	1749	NASA 14.233 UA	UA	UA										X	194	S	S	HANSEN, W. H.	
R6509-1601	1404	NASA 14.234 UE	UA	FTCR CA			X								27	F	P	ANDERSON, K. A.	

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						1	2	3	4	5	6	7	8	9	0				
R6509-1701	1544	NASA	14.232 UE	UA	FTCR CA					D					160	S	S	ANDERSON, K. A.	
R6509-2002	1608	NASA	14.236 UE	UA	FTCR CA					D					146	S	S	ANDERSON, K. A.	
R6509-2004	1410	NASA	14.237 UE	UA	FTCR CA					X					N/A	F	P	ANDERSON, K. A.	
R6511-1701	0425	NASA	14.238 UE	UA	FTCR CA				B				E		178	S	S	MURCRAE, W. B.	
R6511-2001	0520	NASA	14.239 UE	UA	FTCR CA				B				E		N/A	S	S	MURCRAE, W. B.	
																		MURCRAE, W. B.	
R6511-2402	1537	NASA	14.242 UE	UA	WALI UA							A			169	S	S	HAYMES, R. C.	
R6602-1702	1616	NASA	14.243 UE	UA	WALI UA							A			186	S	S	HAYMES, R. C.	
R6509-1501	2028	NASA	14.244 UI	UA	WALI UA										180	S	S	SMITH, L. G.	
											A							BOWHILL, S. A.	
R6506-1401	0913	NASA	14.245 UI	UA	WALI UA							C			177	S	S	SMITH, L. G.	
												C						BOWHILL, S. A.	
R6506-1702	2141	NASA	14.246 UI	UA	WALI UA							C		E	177	S	S	SMITH, L. G.	
												C						BOWHILL, S. A.	
R6512-1501	1700	NASA	14.247 UI	UA	WALI UA							C			182	S	S	SMITH, L. G.	
												A						BOWHILL, S. A.	
R6601-1001	1714	NASA	14.248 UI	UA	WALI UA							C			186	S	S	SMITH, L. G.	
												A						BOWHILL, S. A.	
R6604-2601	0012	NASA	14.249 IM	UA	SONM PA				Z						190	S	S	GROVES, G. V.	
R6711-2901	0105	NASA	14.250 IM	UA	SONM PA				V						175	S	S	REES, D. J.	
																		RAHMATULLAH, M.	
R6602-2701	1657	NASA	14.251 UM	UA	ASNI UK				Z						131	S	S	HORVATH, J. J.	
R6602-2801	0458	NASA	14.252 UM	UA	ASNI UK				J						N/A	F	F	HORVATH, J. J.	
R6504-2302	0402	NASA	14.255 NA	UA	WALI UA				V						145	S	S	HORD, R. A.	
																		TOLEFSON, H. B.	
R6703-1601	1905	NASA	14.256 II	UA	WALI UA					C		A			141	S	S	SOMAYAJULU, Y. V.	
R6803-2504	0700	NASA	14.258 II	UA IN	WALI UA					X					N/A	S	S	UNKNOWN	
R6811-0701	0305	NASA	14.261 IG	UA	THUM IN								F		150	S	S	TERLS	
R6601-1701	2239	NASA	14.262 CM	UA	WALI UA					V					206	S	S	BEDINGER, J. F.	
R6601-1801	0032	NASA	14.263 CM	UA	WALI UA					V					205	S	S	BEDINGER, J. F.	
R6601-1802	0200	NASA	14.264 CM	UA	WALI UA					V					167	S	S	BEDINGER, J. F.	
R6601-1804	0512	NASA	14.265 CM	UA	WALI UA					V					207	S	S	BEDINGER, J. F.	
R6601-1805	1131	NASA	14.266 CM	UA	WALI UA					V					213	S	S	BEDINGER, J. F.	
R6703-1301	0014	NASA	14.267 IA	UA	THUM IN					X					155	S	P	BHAVSAR, P. D.	
																		PRAKASH, S.	
R6705-0503	1700	NASA	14.268 UI	UA	FTCR CA				B	X					136	S	S	HEIKKILA, W. J. A.	
R6902-0802	0440	NASA	14.269 UI	UA	FTCR CA				B						133	S	S	HEIKKILA, W. J. A.	
R6606-1401	0518	NASA	14.270 UI	UA	WALI UA							A			186	S	S	BOWHILL, S. A.	
												C						MECHTLY, E. A.	
R6608-2402	2315	NASA	14.271 UI	UA	WALI UA							C			164	S	P	SMITH, L. G.	
												E						BOWHILL, S. A.	
												D							
R6608-2501	0045	NASA	14.272 UI	UA	WALI UA							C			169	S	P	SMITH, L. G.	
												E						BOWHILL, S. A.	
												D							
R6708-0802	2356	NASA	14.273 UI	UA	WALI UA							C			141	S	S	BOWHILL, S. A.	
												A						SMITH, L. G.	
												R							

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						1	2	3	4	5	6	7	8	9	0				
R6611-1203	1405	NASA	14.274 UI	UA	CASS BR			C						D		197	S	S	BOWHILL, S. A. SMITH, L. G.
R6701-3102	1850	NASA	14.275 UI	UA	WALI UA			A								195	S	S	BOWHILL, S. A. MECHTLY, E. A.
R6802-2303	0345	NASA	14.276 GE	UA	FTCR CA	X				X						N/A	S	S	EVANS, D. S.
R6804-0401	0259	NASA	14.277 GE	UA	FTCR CA	B		B								129	S	S	EVANS, D. S.
R6609-1401	0135	NASA	14.278 CA	UA	FTCR CA			V								161	S	S	SMITH, L. G. BEDINGER, J. F.
R6609-1402	0400	NASA	14.279 CA	UA	FTCR CA			V								186	S	S	SMITH, L. G. BEDINGER, J. F.
R6609-1601	0122	NASA	14.280 CA	UA	FTCR CA			V								185	S	S	SMITH, L. G. BEDINGER, J. F.
R6609-1602	0300	NASA	14.281 CA	UA	FTCR CA			V								185	S	S	SMITH, L. G. BEDINGER, J. F.
R6609-1603	0417	NASA	14.282 CA	UA	FTCR CA			V								206	S	S	SMITH, L. G. BEDINGER, J. F.
R6703-3102	0303	NASA	14.283 CA	UA	WALI UA			X								176	S	F	PRESSMAN, J.
R6802-2101	2217	NASA	14.284 CA	UA	WALI UA	C	V	E								150	S	S	PRESSMAN, J.
R6608-2604	1511	NASA	14.285 UM	UA	WALI UA			B								149	S	S	HORVATH, J. J.
R6608-2801	0423	NASA	14.286 UM	UA	WALI UA			C											
R6611-1101	0433	NASA	14.287 IE	UA	FTCR CA			F								151	S	S	HORVATH, J. J.
R6608-0704	0549	NASA	14.289 UM	UA	FTCR CA			K								N/A	S	S	KEPPLER, E. MUSMANN, G. ROSBACH
R6703-0502	0556	NASA	14.290 UM	UA	FTBO UA			C								150	S	S	HORVATH, J. J. HORVATH, J. J.
R6607-1701	0056	NASA	14.291 CM	UA	WALI UA			D											
R6607-1702	0500	NASA	14.292 CM	UA	WALI UA			V								192	S	S	BEDINGER, J. F.
R6607-1703	0645	NASA	14.293 CM	UA	WALI UA			V								211	S	S	BEDINGER, J. F.
R6607-1704	0825	NASA	14.294 CM	UA	WALI UA			V								199	S	S	BEDINGER, J. F.
R6607-1705	0908	NASA	14.295 CM	UA	WALI UA			V								200	S	S	BEDINGER, J. F.
R6608-0701	0700	NASA	14.296 GM	UA	WALI UA			V								208	S	S	BEDINGER, J. F.
R6706-1301	2208	NASA	14.297 CE	UA	WALI UA			Z								N/A	P	P	SMITH, W. S.
R6711-1601	1214	NASA	14.298 UI	UA	WALI UA											179	S	S	WATERS, J.
R6611-1802	2215	NASA	14.299 UA	UA	WSMR UA											167	S	S	BETTINGER, R. T.
R6705-3101	1300	NASA	14.300 UA	UA	WSMR UA											161	S	S	HEMENWAY, C. L.
R6808-2003	1932	NASA	14.301 UA	UA	WSMR UA											42	F	S	HEMENWAY, C. L.
R6611-1204	1407	NASA	14.302 UI	UA	CASS BR											154	S	S	HEMENWAY, C. L.
R6611-1206	1600	NASA	14.303 UI	UA	CASS BR			C						D		160	S	S	BOWHILL, S. A. SMITH, L. G.
								E											
								A											
												</							

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					1	2	3	4	5	6	7	8	9	0					
R6611-1205	1410	NASA 14.304 UI	UA	CASS BR												195	S	S	BOWHILL, S. A. SMITH, L. G.
R6709-0702	0007	NASA 14.305 UI	UA	VGBJ PR												N/A	S	P	BOWHILL, S. A. SMITH, L. G.
R6902-1202	0316	NASA 14.306 UI	UA	FTCR CA												137	S	S	HEIKKILA, W. J. A.
R6709-0801	1003	NASA 14.308 UI	UA	VGBJ PR												N/A	S	S	BOWHILL, S. A. SMITH, L. G.
R6709-0701	2034	NASA 14.309 UI	UA	AREC PR												N/A	S	S	SMITH, L. G. BOWHILL, S. A.
R6701-3105	2320	NASA 14.310 CM	UA	FTCR CA												154	S	S	BEDINGER, J. F.
R6702-0102	0112	NASA 14.311 CM	UA	FTCR CA												154	S	S	BEDINGER, J. F.
R6702-0105	0349	NASA 14.312 CM	UA	FTCR CA												154	S	S	BEDINGER, J. F.
R6702-0108	0541	NASA 14.313 CM	UA	FTCR CA												154	S	S	BEDINGER, J. F.
R6702-0115	1124	NASA 14.314 CM	UA	FTCR CA												154	S	S	BEDINGER, J. F.
R6702-0101	0109	NASA 14.315 UM	UA	FTCR CA												N/A	F	F	SMITH, A. M.
R6702-0110	0826	NASA 14.316 UM	UA	FTCR CA												159	S	S	HORVATH, J. J.
R6702-0104	0346	NASA 14.317 UM	UA	FTCR CA												162	S	S	HORVATH, J. J.
R6702-0107	0538	NASA 14.318 UM	UA	FTCR CA												164	S	S	HORVATH, J. J.
R6701-3104	2317	NASA 14.319 UM	UA	FTCR CA												127	S	S	HORVATH, J. J.
R6808-0701	1205	NASA 14.320 UE	UA	WALI UA												196	S	S	HAYMES, R. C.
R6902-2701	0200	NASA 14.321 UA	UA	FTCR CA												N/A	S	S	UNKNOWN
R6702-0113	1158	NASA 14.322 UM	UA	FTCR CA												152	S	S	HORVATH, J. J.
R6702-0111	0829	NASA 14.323 CM	UA	FTCR CA												154	S	S	BEDINGER, J. F.
R6904-1202	2319	NASA 14.325 GE	UA	FTCR CA												158	P	S	BERTSCH, D. L.
R6904-1304	1404	NASA 14.326 GE	UA	FTCR CA												155	S	S	BERTSCH, D. L.
R6904-1404	2315	NASA 14.327 GE	UA	FTCR CA												161	S	S	BERTSCH, D. L.
R6704-0702	1957	NASA 14.328 IE	UA FP	KIRA SW												231	S	S	RIEGER, E.
R6704-0801	2003	NASA 14.329 IE	UA FP	KIRA SW												236	S	S	RIEGER, E.
R6704-0901	0100	NASA 14.330 IE	UA FP	KIRA SW												242	S	S	RIEGER, E.
R6704-1001	2214	NASA 14.331 IE	UA FP	KIRA SW												230	S	S	RIEGER, E.
R6704-1101	2021	NASA 14.332 IE	UA FP	KIRA SW												236	S	S	RIEGER, E.
R6803-1801	0700	NASA 14.333 UM	UA	VGBJ PR												148	S	S	HORVATH, J. J.
R6709-1801	1905	NASA 14.334 UM	UA	WALI UA												N/A	F	F	SMITH, W. S.
R6806-1002	1715	NASA 14.335 UA	UA	WSMR UA												152	S	S	HEMENWAY, C. L.

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					1	2	3	4	5	6	7	8	9	0	R	E				
R6808-1201	0639	NASA 14.336 UA	UA	WSMR UA										A	155	S	S	HENENWAY, C. L.		
R6707-2301	0053	NASA 14.337 CM	UA	WALI UA			V								204	S	S	BEDINGER, J.		
R6708-0901	0343	NASA 14.338 CM	UA	WALI UA			V								214	S	S	BEDINGER, J. F.		
R6708-0903	0647	NASA 14.339 CM	UA	WALI UA			V								204	S	S	BEDINGER, J. F.		
R6708-0902	0758	NASA 14.340 CM	UA	WALI UA			V								211	S	S	BEDINGER, J. F.		
R6708-0905	0928	NASA 14.341 GM	UA	WALI UA			V								199	S	S	BEDINGER, J. F.		
R6708-0904	0847	NASA 14.342 GM	UA	WALI UA			V								158	S	S	BEDINGER, J. F.		
R6708-0501	0159	NASA 14.343 GT	UA	WSMR UA											150	S	F	WOOD, J. F.		
R6808-0501	0159	NASA 14.343 UA	UA	WSMR UA										A	149	S	S	HENENWAY, C. L. WOOD, J. F.		
R6803-1701	0659	NASA 14.344 UM	UA	AREO PR			C								148	S	S	HORVATH, J. J.		
R6803-1702	1E45	NASA 14.345 UM	UA	AREO PR			F								N/A	S	S	HORVATH, J. J.		
R6803-2801	1631	NASA 14.346 GR	UA	WALI UA										C	161	S	S	STONE, R. G.		
R6712-1201	2148	NASA 14.347 UA	UA	WALI UA			F								94	S	S	PEARCE, J. B.		
R6807-0909	0954	NASA 14.348 UA	UA	WALI UA			E	G	D						105	S	S	PEARCE, J. B.		
R6807-2409	0954	NASA 14.348 UA	UA	WALI UA				G							105	S	S	DUBIN, M. BARTH, C. A.		
R6907-2402	0954	NASA 14.34E UA	UA	WALI UA			E	G	D						105	S	S	PEARCE, J. B.		
R6807-2406	0019	NASA 14.345 UA	UA	WALI UA			E	G	D						106	S	S	PEARCE, J. B.		
R6907-2401	0019	NASA 14.345 UA	UA	WALI UA			E	G	D						104	S	S	PEARCE, J. B.		
R6802-2701	0110	NASA 14.350 CA	UA	WALI UA			C	X	C						154	S	S	PRESSMAN, J.		
R6812-0401	1810	NASA 14.351 UA	UA	WSMR UA									A		153	S	S	HENENWAY, C. L.		
R6812-1401	1508	NASA 14.352 UA	UA	WSMR UA					D						159	S	S	HENENWAY, C. L.		
R6912-0504		NASA 14.353 UG	UA	WSMR UA							F				N/A	S	S	HENENWAY, C. L.		
R6806-1201	2259	NASA 14.354 IA	UA	KIRA SW			B				A				183	S	S	SITTE, K.		
R6806-1102	1721	NASA 14.355 IA	UA	KIRA SW			B				A				183	S	S	SITTE, K.		
R6804-2303	0554	NASA 14.356 UM	UA	FTCR CA						E					10	F	F	HORVATH, J. J.		
R6808-0902	0724	NASA 14.357 UM	UA	WALI UA			Y								146	S	S	HORVATH, J. J.		
R6807-2404	1006	NASA 14.358 UI	UA	WALI UA				A	B						206	S	S	SMITH, L. G. BOWHILL, S. A.		
								B												
								C												
R6807-2405	1036	NASA 14.355 UI	UA	WALI UA				A	B						211	S	S	BOWHILL, S. A. SMITH, L. G.		
								B												
								C												
R6807-2403	1700	NASA 14.360 UI	UA	WALI UA				A	B						214	S	S	SMITH, L. G. BOWHILL, S. A.		
								B												
								C												
R6807-2402	2136	NASA 14.361 UI	UA	WALI UA				C	B						206	S	S	BOWHILL, S. A. SMITH, L. G.		
								A												
R6905-1201		NASA 14.362 UM	UA	WALI UA			B								120	S	S	HORVATH, J. J.		
							C													
							F													
R6806-0402	1637	NASA 14.363 GT	UA	WSMR UA									A		130	S	S	WOOD, J. F.		
R6802-2201	0509	NASA 14.364 CM	UA	WALI UA			A								156	S	S	SMITH, W. S.		
							V													
							F													

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						1	2	3	4	5	6	7	8	9	0					
R6802-2202	0630	NASA	14.365 CM	UA	WALI UA			A								175	S	S	SMITH, W. S.	
R6802-2203	0800	NASA	14.366 CM	UA	WALI UA			V								181	S	S	SMITH, W. S.	
R6802-2204	0930	NASA	14.367 CM	UA	WALI UA			F								190	S	S	SMITH, W. S.	
R6808-2102	1953	NASA	14.368 GI	UA	WALI UA			A												
R6808-2101	1940	NASA	14.369 GI	UA	WALI UA			V								189	S	S	AIKIN, A. C.	
R6808-2103	2004	NASA	14.370 GI	UA	WALI UA			F								193	S	S	AIKIN, A. C.	
R6811-1904	1830	NASA	14.371 GI	UA	WALI UA			A								192	S	S	AIKIN, A. C.	
R7003-1903	1001	NASA	14.372 GI	UA	THUM IN			Y								200	S	S	SOMYAJULU, Y. V.	
								C								N/A	S	S	AIKIN, A. C.	
								D											WELKER, J. E.	
R7101-2101	1655	NASA	14.373 GI	UA	KEWE UA											185	S	S	SOMYAJULU, Y. V.	
R6902-1702		NASA	14.374 UI	UA	FTCR CA			X								N/A	S	S	GOLDBERG, R. A.	
R6811-0702	1827	NASA	14.375 GI	UA	WALI UA			C								104	S	S	SCHMERLING, E. R.	
								A											GOLDBERG, R. A.	
								E											BAUER, S. J.	
R7002-1901		NASA	14.381 GE	UA	FTCR CA											N/A	S	S	EVANS, D. S.	
R7002-2801		NASA	14.382 GE	UA	FTCR CA		X			X						N/A	S	P	EVANS, D. S.	
R7009-1702	1558	NASA	14.385 UM	UA	WALI UA			Y								156	S	S	HORVATH, J. J.	
																			ALLEN, H.	
R6811-1905	2025	NASA	14.386 UM	UA	WALI UA											148	S	S	FISHBACH, F.	
R6906-2801	0035	NASA	14.387 UA	UA	WALI UA											106	P	P	ALLEN, H.	
R6901-3106	1910	NASA	14.388 UA	UA	WALI UA											115	S	S	HORVATH, J. J.	
																			ANDERSON, J. G.	
R6902-0602	1929	NASA	14.390 UA	UA	WALI UA											117	S	S	BARTH, C. A.	
R6901-3108	1700	NASA	14.391 UI	UA	WALI UA											227	P	S	BARTH, C. A.	
																			MEIRA, L. G.	
R6902-0606	1709	NASA	14.392 UI	UA	WALI UA											219	S	S	BARTH, C. A.	
																			MEIRA, L. G.	
																			BOWHILL, S. A.	
																			SECHRIST, C. F.	
																			MECHTLY, E. A.	
																			SMITH, L. G.	
R6902-C611		NASA	14.392 UI	UA	WALI UA											N/A	S	S	SMITH, L. G.	
R6904-1703	2100	NASA	14.393 UI	UA	WALI UA											210	S	S	BOWHILL, S. A.	
																			SCHMERLING, E. R.	
																			BOWHILL, S. A.	
																			MECHTLY, G. A.	
																			SECHRIST, C. F.	
																			SMITH, L. G.	
R6909-1202	0406	NASA	14.394 UI	UA	WALI UA										A	189	S	S	MECHTLY, E. A.	
																			SMITH, L. G.	

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						1	2	3	4	5	6	7	8	9	0					
R6909-1003	2046	NASA	14.395 UI	UA	WALI UA												205	S	S	MECHTLY, E. A. SMITH, L. G.
R6901-2109	2112	NASA	14.396 GM	UA	WALI UA												116	S	S	HEATH, D. F.
R6902-1403	0100	NASA	14.397 CM	UA	WALI UA												174	S	S	SMITH, W. S. BEDINGER, J. F. ALLEN, A.
R6902-1406	0900	NASA	14.398 CM	UA	WALI UA												206	S	S	SMITH, W. S. BEDINGER, J. F.
R6902-1405	0319	NASA	14.399 CM	UA	WALI UA												212	S	S	SMITH, W. S. BEDINGER, J. F.
R6902-1404	0500	NASA	14.400 CM	UA	WALI UA												210	S	S	SMITH, W. S. BEDINGER, J. F.
R6902-1401	0700	NASA	14.401 CM	UA	WALI UA												209	S	S	SMITH, W. S. BEDINGER, J. F.
R6902-1402	1113	NASA	14.402 CM	UA	WALI UA												213	S	S	SMITH, W. S. BEDINGER, J. F.
R7003-2706		NASA	14.405 IE -II	UA IN	THUM IN					X	X						N/A	S	S	UNKNOWN
R7008-2801	0443	NASA	14.414 UG	UA	WSMR UA												N/A	S	S	GARMIRE, G.
R6905-2801		NASA	14.420 UA	UA	WSMR UA												N/A	S	S	HEMENWAY, C. L.
R6908-1301	0630	NASA	14.422 UA	UA	WSMR UA												N/A	S	S	HEMENWAY, C. L. AGGSON, T.
R6908-2201	1036	NASA	14.423 UG	UA	WSMR UA												158	S	S	HEMENWAY, C. L. AGGSON, T.
R7003-1902	0509	NASA	14.424 GI	UA	THUM IN												N/A	S	S	AIKIN, A. C. GOLOBERG, R. A.
R7003-1901	0319	NASA	14.425 GI	UA	THUM IN												N/A	S	S	AIKIN, A. C. GOLOBERG, R. A.
R7003-0604		NASA	14.426 UM	UA	WALI UA												N/A	S	S	HORVATH, J. J.
R7003-0725		NASA	14.427 UM	UA	WALI UA												N/A	S	S	HORVATH, J. J.
R7003-0726		NASA	14.428 UM	UA	WALI UA												N/A	S	S	HORVATH, J. J.
R7003-0727		NASA	14.429 UM	UA	WALI UA												N/A	S	S	HORVATH, J. J.
R7003-0803		NASA	14.430 UM	UA	WALI UA												N/A	S	S	HORVATH, J. J.
R6908-2101	1539	NASA	14.431 UM	UA	WALI UA												200	S	S	HORVATH, J. J.
R7109-0201	0758	NASA	14.434 GE	UA CA	FTCR CA												N/A	S	S	BERTSCH, D. L.
R7003-0719	1545	NASA	14.435 UI	UA	WALI UA												188	S	S	MECHTLY, E. A. SMITH, L. G.
R7003-0720	1837	NASA	14.436 UI	UA	WALI UA												178	S	S	MECHTLY, E. A. SMITH, L. G.

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					1	2	3	4	5	6	7	8	9	0	R		E		
R7003-0721	183E	NASA 14.437 UI	UA	WALI UA												175	S	S	MECHTLY, E. A. SMITH, L. G.
R7003-0722	1840	NASA 14.438 UI	UA	WALI UA												192	S	S	MECHTLY, E. A. SMITH, L. G.
R7002-0402		NASA 14.441 UI	UA	FTCR CA												N/A	P	P	SCHMERLING, E. R.
R7002-1002		NASA 14.442 UI	UA	FTCR CA												N/A	P	P	SCHMERLING, E. R.
R7004-1603		NASA 14.443 UI	UA	FTCR CA												N/A	P	P	SCHMERLING, E. R.
R6912-1302		NASA 14.445 CM	UA	WALI UA												N/A	S	S	SMITH, L. G.
R6912-1401		NASA 14.446 CM	UA	WALI UA												N/A	S	S	SMITH, L. G.
R7001-1407	0300	NASA 14.447 CM	UA	WALI UA												197	S	S	BEDINGER, J. F.
R7001-1408	0500	NASA 14.448 CM	UA	WALI UA												204	S	S	BEDINGER, J. F.
R7001-1409	0717	NASA 14.449 CM	UA	WALI UA												204	S	S	BEDINGER, J. F.
R7001-1410	0915	NASA 14.450 CM	UA	WALI UA												201	S	S	BEDINGER, J. F.
R7001-1406	1135	NASA 14.451 CM	UA	WALI UA												207	S	S	BEDINGER, J. F.
R7003-0602	1836	NASA 14.456 CI	UA	WALI UA												N/A	S	S	ACCARDO, C.
R7003-0717	1836	NASA 14.457 CI	UA	WALI UA												N/A	S	S	ACCARDO, C.
R7001-1301	2236	NASA 14.459 CM	UA	WALI UA												24	F	F	BEDINGER, J. F.
R7008-0301	1609	NASA 14.466 UM	UA	WALI UA												N/A	S	S	HORVATH, J. J.
R7104-2301	0148	NASA 14.467 UA	UA SW FP	WSMR UA												124	S	S	TOSER, W. WIESEL, T. RAUSER, P.
R7107-3101	0045	NASA 14.468 UA	UA SW	KIRA SW												114	S	S	HALLGREN, D. S.
R7107-3103	0045	NASA 14.468UA	UA SW	KIRA SW												114	S	S	HEMENWAY, C. L. HALLGREN, D. S.
R7107-3102	2334	NASA 14.465 UA	UA SW	KIRA SW												106	S	S	HALLGREN, D. S.
R7107-3104	2334	NASA 14.465 UA	UA SW	KIRA SW												106	S	S	HEMENWAY, C. L. HALLGREN, D. S.
R7012-1501	0308	NASA 14.470 CM	UA	WALI UA												208	S	S	BEDINGER, J. F.
R7012-1502	0518	NASA 14.471 CM	UA	WALI UA												214	S	S	BEDINGER, J. F.
R7012-1503	0700	NASA 14.472 CM	UA	WALI UA												213	S	S	BEDINGER, J. F.
R7012-1504	0504	NASA 14.473 CM	UA	WALI UA												195	S	S	BEDINGER, J. F.
R7012-1505	1127	NASA 14.474 CM	UA	WALI UA												215	S	S	BEDINGER, J. F.
R7108-2009	0919	NASA 14.475 UI	UA	WALI UA												193	S	S	MECHTLY, E. A. BOWHILL, S. A. SMITH, L. G.
R7108-2008	0544	NASA 14.476 UI	UA	WALI UA												198	S	S	MECHTLY, E. A. BOWHILL, S. A. SMITH, L. G.
R7108-2007	1014	NASA 14.477 UI	UA	WALI UA												200	S	S	MECHTLY, E. A. BOWHILL, S. A. SMITH, L. G.
R7103-1003	1753	NASA 14.478 UM	UA	WALI UA												179	S	S	HORVATH, J. J.

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					1	2	3	4	5	6	7	8	9	0					
R7103-1004	1826	NASA 14.479 UM	UA	WALI UA	B											178	S	S	HORVATH, J. J.
R7103-1005	1841	NASA 14.480 UM	UA	WALI UA	C											171	S	S	HORVATH, J. J.
R7108-1901	2011	NASA 14.491 GM	UA	WALI UA	F											171	S	S	THEON, J. S. WRIGHT, D. U. HORVATH, J. J.
R7108-2006	0745	NASA 14.492 GM	UA	WALI UA	B											180	S	S	THEON, J. S. WRIGHT, D. U. HORVATH, J. J.
R7109-0701	2357	NASA 14.493 CA	UA	WALI UA	C														
R7109-1601	0556	NASA 14.494 CA	UA	WALI UA	F														
R7112-0604	0300	NASA 14.495 UM TH2-5342	UA	PTBO UA	V										C	176	S	S	DUBIN, M. BEDINGER, J. F. THEON, J. S.
R7112-0603	0430	NASA 14.496 UM TH2-5343	UA	PTBO UA	B											N/A	S	S	THEON, J. S. HORVATH, J. J.
R7112-0602	0442	NASA 14.497 UM TH2-5344	UA	PTBO UA	C											N/A	S	S	THEON, J. S. HORVATH, J. J.
R7112-0601	0752	NASA 14.498 UM TH2-5345	UA	PTBO UA	F											N/A	S	S	THEON, J. S. HORVATH, J. J.
R6503-2101	0645	NASA 15.02 GI	UA	ANDA NO												76	S	S	KANE, J. A.
R6505-3001	1900	NASA 15.05 GI	UA	KARP NZ												88	S	S	AIKIN, A. C. KANE, J. A.
R6505-3002	1920	NASA 15.06 GI	UA	KARP NZ												88	S	S	AIKIN, A. C. KANE, J. A.
R6505-3003	1940	NASA 15.07 GI	UA	KARP NZ												88	S	S	AIKIN, A. C. KANE, J. A.
R6505-3004	2000	NASA 15.08 GI	UA	KARP NZ												88	S	S	AIKIN, A. C. KANE, J. A.
R6505-3005	2020	NASA 15.09 GI	UA	KARP NZ												88	S	S	AIKIN, A. C. KANE, J. A.
R6505-3006	2100	NASA 15.10 GI	UA	KARP NZ												88	S	S	AIKIN, A. C. KANE, J. A.
R6608-2902	1337	NASA 15.11 GI	UA	WSMR UA												N/A	S	S	PEDERSON, A.
R6608-2901	1238	NASA 15.12 GI	UA	WSMR UA												N/A	S	S	PEDERSON, A.
R6706-2103	2006	NASA 15.13 UP	UA	WALI UA												N/A	F	F	HEMENWAY, C. L.
R7108-1001	2013	NASA 15.14 GI	UA	WSMR UA												70	S	P	SERBU, G. P.
R7110-1303	1559	NASA 15.15 GI	UA	WSMR UA												63	S	S	AIKIN, A. C.
R6708-0201	2258	NASA 15.16 DA	UA	FTMU UA											C	N/A	P	P	KRUEGER, A. J.
R6708-2102	1932	NASA 15.17 DA	UA	FTMU UA											C	53	S	S	KRUEGER, A. J.

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NSSDC ID	TIME (UT)	AGENCY	ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
						1	2	3	4	5	6	7	8	9	0					
R6505-2501	1959	NASA	15.18 GI	UA	KARP NZ											C	88	S	S	AIKIN, A. C. KANE, J. A.
R6512-C601	1258	NASA	15.19 GI	UA	ANDA NO												N/A	S	S	KANE, J. A.
R6708-2501		NASA	15.21 II	UA NO	ANDA NO												N/A	P	P	KANE, J. A.
R6811-0104		NASA	15.24 II	UA	ANDA NO												N/A	F	F	KANE, J. A.
R6605-1501	1043	NASA	15.25 GI	UA	KORO GR												N/A	F	F	AIKIN, A. C. KANE, J. A.
R6605-2001	0800	NASA	15.26 GI	UA	KORO GR												N/A	S	S	AIKIN, A. C. KANE, J. A.
R6605-2002	0845	NASA	15.27 GI	UA	KORO GR												N/A	P	S	AIKIN, A. C. KANE, J. A.
R6605-2003	0930	NASA	15.28 GI	UA	KORO GR												N/A	S	S	AIKIN, A. C. KANE, J. A.
R6605-2004	1015	NASA	15.29 GI	UA	KORO GR												N/A	S	S	AIKIN, A. C. KANE, J. A.
R6605-2005	1105	NASA	15.30 GI	UA	KORO GR												N/A	S	S	AIKIN, A. C. KANE, J. A.
R6605-2101	0930	NASA	15.31 GI	UA	KORO GR												N/A	S	S	AIKIN, A. C. KANE, J. A.
R6710-2402	1400	NASA	15.32 GI	UA	RESB CA												N/A	P	F	KANE, J. A.
R6710-2403	1550	NASA	15.33 GM	UA	RESB CA												N/A	S	S	KANE, J. A.
R6808-0205	1031	NASA	15.34 GI	UA	RESB CA												N/A	S	S	KANE, J. A.
R6709-1401	0029	NASA	15.35 DA	UA	BARS UA												60	S	S	KRUEGER, A. J.
R6709-1701	0015	NASA	15.36 DA	UA	BARS UA												56	S	S	KRUEGER, A. J.
R6709-2001	0000	NASA	15.37 DA	UA	BARS UA												53	S	S	KRUEGER, A. J.
R6710-1301	2141	NASA	15.38 DA	UA	BARS UA												59	S	S	KRUEGER, A. J.
R6710-1902	2104	NASA	15.39 DA	UA	BARS UA												58	S	S	KRUEGER, A. J.
R6710-2201	2046	NASA	15.40 DA	UA	BARS UA												59	S	S	KRUEGER, A. J.
R6710-2501	2030	NASA	15.41 DA	UA	BARS UA												59	S	S	KRUEGER, A. J.
R6910-2901		NASA	15.42 UI	UA	WALI UA												110	F	F	KENDALL, B. R.
R6810-2401	2050	NASA	15.43 II	UA	KIRA SW												104	S	S	STOFFREGEN, W.
R7108-0301	1516	NASA	15.44 UI	UA	WALI UA												N/A	S	S	KENDALL, B. R.
R6901-2701	1953	NASA	15.47 GT	UA	WALI UA												102	S	S	PEODOLSKY, H.
R7101-2902	1948	NASA	15.50 GI	UA	WALI UA												122	P	P	KANE, J. A.
R6808-0203	0218	NASA	15.52 GI	UA	RESB CA												N/A	S	S	KANE, J. A.
R6910-1002	0119	NASA	15.53 GI	UA	RESB CA												110	S	S	KANE, J. A.
R7003-2705	0700	NASA	15.54 GI	UA	THUM IN												N/A	S	S	KANE, J. A.
R6704-2003	2035	NASA	15.55 GT	UA	WALI UA												47	F	S	LEASE, J. R.
R7001-1603		NASA	15.56 GM	UA	WALI UA												N/A	F	F	KRUEGER, A. J.
R7005-1401		NASA	15.57 GM	UA	VNBC UA												N/A	P	P	KRUEGER, A. J.
R6803-C801	0635	NASA	15.58 GI	UA	THUM IN												85	S	S	KANE, J. A.
R6803-C802	1240	NASA	15.59 GI	UA	THUM IN												94	S	S	KANE, J. A.
R6809-1603	1807	NASA	15.60 DM	UA	WALI UA												55	S	S	KRUEGER, A. J.

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						1	2	3	4	5	6	7	8	9	0					
R6901-3103	1821	NASA	15.61	DM	UA	WALI	UA										54	S	S	SMITH, W. S.
R6902-0605	1800	NASA	15.62	DM	UA	WALI	UA										56	S	S	KRUEGER, A. J.
R7003-2702	1242	NASA	15.63	GI	UA	THUM	IN										N/A	S	S	KANE, J. A.
R7003-2704	1306	NASA	15.64	GI	UA	THUM	IN										N/A	S	S	KANE, J. A.
R7003-2703	1330	NASA	15.65	GI	UA	THUM	IN										N/A	S	S	KANE, J. A.
R7003-0605		NASA	15.66	NM	UA	WALI	UA										N/A	S	S	HENRY, R. C.
R7003-0732		NASA	15.68	NM	UA	WALI	UA										N/A	S	S	HENRY, R. C.
R7003-0733		NASA	15.69	NM	UA	WALI	UA										N/A	S	S	HENRY, R. C.
R7003-0734		NASA	15.70	NM	UA	WALI	UA										N/A	S	S	HENRY, R. C.
R7002-2402		NASA	15.72	UI	UA	FTCR	CA										N/A	P	P	SCHMERLING, E. R.
R7003-0102		NASA	15.73	UI	UA	FTCR	CA										N/A	S	S	SCHMERLING, E. R.
R7004-1602		NASA	15.74	UI	UA	FTCR	CA										N/A	S	S	SCHMERLING, E. R.
R7102-2001	0323	NASA	15.75	UI	UA	FTCR	UA										59	S	S	KERN, J. W.
R7003-0804		NASA	15.77	NM	UA	WALI	UA										N/A	S	F	HENRY, R. C.
R7003-0805		NASA	15.78	NM	UA	WALI	UA										N/A	S	S	HENRY, R. C.
R7006-1801	2126	NASA	15.79	GM	UA	VNBC	UA										N/A	S	S	KRUEGER, A. J.
R7010-1001	1800	NASA	15.80	GM	UA	PRIM	CA										68	S	S	KRUEGER, A. J.
R7010-1701	1800	NASA	15.81	GM	UA	PRIM	CA										62	S	S	KRUEGER, A. J.
R7011-0601	1645	NASA	15.82	GM	UA	FTSM	UA										60	S	S	KRUEGER, A. J.
R7011-1302	1645	NASA	15.83	GM	UA	FTSM	UA										60	S	S	KRUEGER, A. J.
R7102-2401	2158	NASA	15.84	GM	UA	EARS	UA										57	S	S	KRUEGER, A. J.
R7103-0302	2158	NASA	15.85	GM	UA	EARS	UA										59	S	S	KRUEGER, A. J.
R7103-0502	2207	NASA	15.86	GM	UA	EARS	UA										58	S	S	KRUEGER, A. J.
R7108-0701	1949	NASA	15.87	GM	UA	GREE	UA										N/A	S	P	KRUEGER, A. J.
R7108-0901	2012	NASA	15.88	GM	UA	GREE	UA										N/A	S	P	KRUEGER, A. J.
R7103-0301	0652	NASA	15.89	UI	UA	FTCR	UA										65	S	S	KERN, J. W.
R7108-1401	1954	NASA	15.90	GM	UA	GREE	UA										N/A	S	S	KRUEGER, A. J.
R6304-C801	1126	NASA	16.01	GT	UA	WALI	UA										72	F	P	SORGNIT, E. F.
R641C-2101	1944	NASA	16.02	GT	UA	WALI	UA										1950	S	S	SORGNIT, E. F.
R6708-3003		NASA	16.03	GR	UA	WALI	UA										N/A	F	F	STONE, R. G.
R6804-2001	1738	NASA	16.04	UI	UA	WALI	UA										N/A	S	F	KELLOGG, P. S.
R6702-2501	0235	NASA	16.05	US	UA	WALI	UA										2380	S	S	CARTWRIGHT, D. J.
R6911-1501	2243	NASA	16.06	GR	UA	WALI	UA										2575	S	S	HUGUENIN, G.
R6605-2016	1106	NASA	16.30	UA													N/A	S	S	WEDER, R. R.
R6506-1802	2311	NASA	17.01	GT	UA	WALI	UA										374	S	S	DE JAGER, C.
R6608-1701	1950	NASA	17.02	GS	UA	WALI	UA										358	S	S	BOYD, R. L. F.
R6901-2601	0945	NASA	17.03	GE	UA	WALI	UA										271	S	S	LUST, R.
R7004-1401	1530	NASA	17.05	GT	UA	WSMR	UA										88	P	S	LANE, J. H.
R6503-1902	1809	NASA	18.01	GA	UA	WALI	UA										325	S	S	CARIGNAN, G. R.
R6511-C902	0700	NASA	18.02	GA	UA	FTCR	CA										328	S	S	CARIGNAN, G. R.
R6511-C901	1916	NASA	18.03	GA	UA	FTCR	CA										328	S	S	CARIGNAN, G. R.

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						1	2	3	4	5	6	7	8	9	0					
R6611-0801	1732	NASA	18.04	GE	UA	WALI	UA		B	B							216	S	S	AGGSON, T. L. HEPPNER, J. P.
R6608-2602	1831	NASA	18.05	GA	UA	WALI	UA			C							287	S	S	CARIGNAN, G. R.
R6608-2603	1851	NASA	18.06	GA	UA	WALI	UA			D							308	S	S	CARIGNAN, G. R.
R6603-2301	0407	NASA	18.07	GE	UA	FTCR	CA	B		A	B						290	S	S	BURROWS, K. EVANS, D. C. LIND, D. OGILVIE, K. TOLARIK, J.
R6604-1401	0555	NASA	18.08	GE	UA	FTCR	CA	B	B	B							296	S	S	BURROWS, K. EVANS, D. C. LIND, D.
R6703-3101	0001	NASA	18.09	GE	UA	WALI	UA		V								321	S	S	WESCOTT, E.
R6803-1501	1911	NASA	18.10	UI	UA	WALI	UA			C							290	S	S	GOLDBERG, R. A.
R6901-2602	0947	NASA	18.11	GI	UA	WALI	UA			E							19	F	S	BAUER, S. J.
R6703-3001	1909	NASA	18.12	UI	UA	WALI	UA			D							237	S	S	BETTINGER, R. T.
R6801-2301	0533	NASA	18.13	UE	UA	FTCR	CA	X		X							N/A	S	S	MATHER, K. B.
R6903-1703	1238	NASA	18.15	UE	UA	FTWV	UA	B	B	D							216	S	S	DAVIS, T. N. JOHNSTONE, A. D.
R7002-1001	0525	NASA	18.16	UE	UA	FTCR	CA		B	D				A			N/A	S	S	DAVIS, T. N.
R6609-0101	1858	NASA	18.18	UE	UA CA	FTCR	CA			C	F						242	S	S	CHASE, L. M. LAMPTON, M. CARLSON, C. ALBERT, R.
R6609-1701	0253	NASA	18.19	UE	UA	FTCR	CA		G	D	D						243	S	S	CHASE, L. M. LAMPTON, M. CARLSON, C. ALBERT, R.
R6609-0601	1225	NASA	18.20	UE	UA	FTCR	CA			C	F						238	S	S	CHASE, L. M. LAMPTON, M. CARLSON, C. ALBERT, R.
R6609-0602	1804	NASA	18.21	UE	UA	FTCR	CA			C	F						243	S	S	CHASE, L. M. LAMPTON, M. CARLSON, C. ALBERT, R.
R6608-2802	0700	NASA	18.22	GA	UA	WALI	UA			C							301	S	S	CARIGNAN, G. R.
R6701-2801	0516	NASA	18.23	GE	UA	FTCR	CA	B		B	B						204	S	S	EVANS, D. S. AGGSON, T.
R6703-0901	0507	NASA	18.24	GE	UA	FTCR	CA	B		X	B						N/A	S	S	EVANS, D. S. AGGSON, T.
R6901-2802	0549	NASA	18.25	UG	UA	WALI	UA				F						224	S	S	KRAUSHAAR, W. L.
R6609-2501	0951	NASA	18.26	IA	UA	WALI	UA		V		B						280	S	S	NEUGS, H.

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						1	2	3	4	5	6	7	8	9	0				
R6611-3002	1904	NASA	18.27	UE	UA	WALI	UA			C				F		359	S	S	LOCKWOOD, J. A.
R6703-2701	1835	NASA	18.28	UE	UA	NATL	BR			A						N/A	S	S	LOCKWOOD, J. A.
R6706-0502	2219	NASA	18.29	UE	UA	FTCR	CA			A	B		F			N/A	S	S	LOCKWOOD, J. A.
R6808-2104	2130	NASA	18.30	UI	UA	WALI	UA			C				E		262	P	P	BETTINGER, R. T.
R6807-3103	2121	NASA	18.31	UA	UA	WALI	UA			C	C					300	S	S	SMITH, L. G.
R6907-1603	0250	NASA	18.32	UG	UA	WALI	UA			B			F			209	S	S	FASTIE, W. G.
R6804-2502	0501	NASA	18.33	UI	UA	FTCR	CA					B	O	B		120	S	S	MATTHEWS, D. L.
R6711-2402	0639	NASA	18.34	UE	UA	FTCR	CA					X				N/A	S	P	KRAUSHAAR, W.
R6802-2302	0510	NASA	18.35	UE	UA	FTCR	CA					D				293	S	S	BUNNER, A.
R6803-1802	1751	NASA	18.36	UE	UA	FTCR	CA			B		D				N/A	S	S	RAUSHAAR, W. L.
R6803-0201	0719	NASA	18.37	UE	UA	FTCR	CA			B		O				260	S	S	BUNNER, A.
R6802-0601	0507	NASA	18.38	UE	UA	FTCR	UA			B		C	B			N/A	P	P	BERNSTEIN, W.
R6804-2401	0453	NASA	18.39	UE	UA	FTCR	CA			B		B	B			268	S	S	ANDERSON, K. A.
R6804-2501	0623	NASA	18.40	UE	UA	FTCR	CA			B		B	B			262	S	S	ANDERSON, K. A.
R6804-3003	0749	NASA	18.41	UE	UA	FTCR	CA			B		B	B			109	P	P	ANDERSON, K. A.
R6905-0301	0511	NASA	18.42	UE	UA	FTCR	CA			B		B	B			252	S	S	CAHILL, L. J.
R6708-3101	2206	NASA	18.43	GE	UA	ANDA	NO					B				N/A	S	S	MCILWAIN, C.
R6709-0201	2031	NASA	18.44	GE	UA	ANDA	NO			V			B			N/A	S	S	CAHILL, L. J.
R6709-1201	2057	NASA	18.45	GE	UA	ANDA	NO			V			B			N/A	S	S	MCILWAIN, C. E.
R6708-3102	2247	NASA	18.46	GE	UA	ANDA	NO			V			B			N/A	S	S	CAHILL, L. J.
R6709-0202	2042	NASA	18.47	GE	UA	ANDA	NO			V			B			N/A	S	S	MCILWAIN, C. E.
R6709-1202	2059	NASA	18.48	CE	UA	ANDA	NO			V						N/A	S	S	POTTER, W. E.
R6803-1705		NASA	18.49	GA	UA	AREO	PR			C						N/A	P	P	DAVE, A.

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						1	2	3	4	5	6	7	8	9	0					
R6709-1902	1910	NASA	18.50	GA	UA	WALI	UA		G	C							286	S	S	CARIGNAN, G. R.
R6808-0801	1910	NASA	18.51	GA	UA	WALI	UA		Y								286	S	S	CARIGNAN, G. R.
R6803-1703	1918	NASA	18.52	GA	UA	AREO	PR		C								N/A	S	S	SPENCER, N. W.
R6803-1704	0730	NASA	18.53	GA	UA	AREO	PR		C								N/A	S	S	SPENCER, N. W.
R6808-0901	0702	NASA	18.56	GA	UA	WALI	UA		Y								320	S	S	CARIGNAN, G. R.
R6809-2005	1932	NASA	18.58	IE	UA NO	ANDA	NO				C	D	A				239	S	S	JENSEN, J.
											A								LANDMARK, B.	
R6810-0103	2144	NASA	18.59	IE	UA NO	ANDA	NO		B								228	S	S	JENSEN, J.
R6804-0402	0732	NASA	18.60	GE	UA	FTCR	CA		B	B							N/A	S	S	EVANS, D. S.
R6802-2207	0512	NASA	18.61	GE	UA	FTCR	CA				C						N/A	F	F	EVANS, D. S.
											C									
R6801-2201	0430	NASA	18.62	GM	UA	WALI	UA		G								296	S	S	HEATH, D. F.
R6803-2101	0601	NASA	18.63	UE	UA	FTCR	CA		B	D							N/A	S	S	MATTHEWS, D. L.
																			WILKERSON, T. D.	
R7001-1702	0303	NASA	18.65	UE	UA	FTCR	CA		B		B						252	S	S	MATTHEWS, D. L.
R6712-0501	0324	NASA	18.66	UA	UA	FTCR	CA		B								N/A	S	S	MURCRAE, W. B.
R6802-2301	0653	NASA	18.67	UA	UA	FTCR	CA		B								N/A	S	S	MURCRAE, W. B.
R6802-2801	0601	NASA	18.68	UA	UA	FTCR	CA		C								295	S	S	MURCRAE, W. B.
R6810-1501	0011	NASA	18.69	UA	UA	WALI	UA		D	E							340	S	S	JONES, L. M.
R7007-3001	1246	NASA	18.72	UE	UA	WALI	UA				X						N/A	S	S	LOCKWOOD, J. A.
R6809-2002	1931	NASA	18.75	GE	UA	ANDA	NO		V		B						N/A	S	S	WESCOTT, E.
R6809-2102	1936	NASA	18.76	GE	UA	ANDA	NO		B	V	B						N/A	S	S	WESCOTT, E.
R6809-2301	1930	NASA	18.77	GE	UA	ANDA	NO		V		B						N/A	S	S	WESCOTT, E.
R6908-2103	1409	NASA	18.78	GA	UA	WALI	UA		G					A			227	S	S	GRIMES, D.
																			HARPOLD, D.	
																			CARIGNAN, G.	
R7001-1601	0540	NASA	18.79	GM	UA	FTCR	CA		B		D						210	S	S	OGILVIE, K.
																			SUTER, R.	
R6904-1705	0657	NASA	18.80	CE	UA	FTCR	CA		B	B	D						260	S	S	BERNSTEIN, W.
R6903-1101	0632	NASA	18.81	UA	UA	FTCR	CA		B								N/A	S	S	BARTH, C. A.
																			HARP, W.	
R7003-2602	0445	NASA	18.82	UA	UA	FTCR	CA		B								236	S	S	BARTH, C. A.
																			SHARP, W.	
R6903-0701	1212	NASA	18.83	GE	UA	CPPR	CA				B						N/A	S	P	WESCOTT, E.
R6903-0801	0319	NASA	18.84	GE	UA	CPPR	CA				B						N/A	S	P	WESCOTT, E.
R6903-0901	0229	NASA	18.85	GE	UA	CPPR	CA				B						N/A	S	P	WESCOTT, E.
R7003-0201	0430	NASA	18.87	GE	UA	BART	UA		V		B						N/A	S	S	HEPPNER, J. P.
R7003-0402	1430	NASA	18.88	GE	UA	BART	UA		V		B						N/A	S	S	HEPPNER, J. P.
R7003-0501	1410	NASA	18.89	GE	UA	BART	UA		V		B						N/A	S	S	HEPPNER, J. P.
P7003-0202	0430	NASA	18.90	GE	UA	ARRF	UA		V		B						N/A	S	S	HEPPNER, J. P.
R7004-1101		NASA	18.91	UE	UA	FTCR	CA		X								N/A	S	S	OPP, A. G.
R7003-0901	1430	NASA	18.97	GI	UA	THUM	IN		C	C							N/A	S	S	AIKIN, A. C.
																			GOLOBERG, R. A.	
R7003-0902	2000	NASA	18.98	GI	UA	THUM	IN		C	C							295	S	S	AIKIN, A. C.
																			GOLOBERG, R. A.	

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NSSDC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS										APPROX APOGEE	SUCCESS R E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0			
R7003-0903		NASA 1E.99 GI	UA	THUM IN			X							N/A	S	S	AIKIN,A.C. GOLOBERG,
R7002-0401	0619	NASA 1B.100 UA	UA	FTCR CA	B									310	S	S	MURCRA Y,W.B.
R7002-0501	0221	NASA 1B.101 UA	UA	FTCR CA	B									340	S	S	MURCRA Y,W.B.
R6908-2102	1E09	NASA 1B.102 GA	UA	WALI UA			C							318	S	S	CARIGNAN,G.R. BRACE,L.H.
R7003-0723	1800	NASA 1B.104 GA	UA	WALI UA			G C							286	S	S	CARIGNAN,G. BRACE,L.H.
R7003-C715	1E27	NASA 1E.105 GA	UA	WALI UA			B D							N/A	S	S	CARIGNAN,G. BRACE,L.H.
R7003-C716	1E37	NASA 1E.106 GM	UA	WALI UA			B L							N/A	F	F	HEATH,D.F.
R7003-0301	1453	NASA 1E.108 GE	UA	ARRF UA			G D							N/A	S	S	HEPPNER,J.P.
R7003-0401	1441	NASA 1E.109 GE	UA	ARRF UA			V		B					N/A	S	S	HEPPNER,J.P.
R7002-0304		NASA 1B.113 IE	UA NO	ANDA ND	X									N/A	S	S	UNKNOWN
R7107-1301	0250	NASA 1B.117UI	UA	WALI UA			X							N/A	S	S	HANSON,W.B.
R7107-1302	1830	NASA 1B.118UI	UA	WALI UA	X		X							N/A	S	S	HANSON,W.B.
R6806-1101	2330	NASA 19.01 NE	UA	NATL BR				B						790	S	S	BRANDON,G. MCCOY,J.E.
R6805-0702	0510	NASA 19.04 II	UA	WALI UA			A							820	S	S	BARRINGTON,R.E.
R6905-1901	0215	NASA 19.05 NE	UA	NATL BR			C E							856	S	S	BRANDON,G. GREINER,D.
R7001-1602	1106	NASA 2C.01 GM	UA	WALI UA			G							41	F	S	HILSEN RATH,E.
R7107-2101	1600	NASA 21.004 GT	UA	WALI UA								A C D		N/A	S	S	OTT,R.H.,JR.
R7109-0401	1352	NASA 22.01 LE	UA CA	RESB CA										N/A	S	S	ANDERSDN,K.
R7109-0501	1344	NASA 22.02 LE	UA CA	RESB CA										N/A	S	S	ANDERSON,K.
R6412-0103	0420	NASA IONI-E4-1	UA	CHAM AR			C E		D F					134	S	S	RADICELLA,S.
R6412-0401	0606	NASA IONI-E4-2	UA	CHAM AR			C E		D F					136	S	P	RADICELLA,S.
R6307-2701	0010	NASA K63-1	UA SW	KRCN SW	Z		E		F					126	S	P	WITT,G. MARTIN-LOF,J.
R6307-2901	2328	NASA K63-2	UA SW	KRCN SW	Z									128	S	S	WITT,G. MARTIN-LOF,J.
R6308-0101	2327	NASA K63-3	UA SW	KRCN SW	Z									126	S	S	WITT,G. MARTIN-LOF,J.
R6308-C701	2229	NASA K63-4	UA SW	KRCN SW	Z									130	S	S	WITT,G. MARTIN-LOF,J.
R6206-C704	1445	NASA REHBAR I	UA	SCNM PA			V							126	S	F	MUSTAFA,T. DUBIN,M.
R6206-1101	1450	NASA REHBAR II	UA	SCNM PA			V							116	S	S	BURKE,W. MUSTAFA,T. DUBIN,M.

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

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NSSCC ID	TIME (UT)	AGENCY ID	ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS		PRINCIPAL EXPERIMENTER(S)
						1	2	3	4	5	6	7	8	9	0	R		E		
R6011-2901	1116	NB	3.103	UA	WSMR UA											0	197	S	S	CHUBB, T. A. FRIEDMAN, H. PACKER, D. M.
R6104-1801	0440	NB	3.104	UA	WSMR UA												242	S	F	CHUBB, T. A. FRIEDMAN, H. MORTON, D. J.
R6304-0401	1500	NB	3.118	UA	WSMR UA												205	P	S	BLAKE, R. L. UNZICKER, J. E.
R6305-2103	0530	NB	3.115	UA	WSMR UA												192	S	S	BYRAM, E. T.
R6307-2702	1415	NB	3.124	UA	WSMR UA												200	S	P	BLAKE, R. L. KREPLIN, R. W.
R6304-3001	0400	NB	3.130	UA	WSMR UA												197	S	S	BYRAM, E. T.
R6406-1601	0500	NB	3.147	UA	WSMR UA												165	S	S	BYRAM, E. T.
R6411-2501	1134	NB	3.161	UA	WSMR UA												165	S	S	BYRAM, E. T.
R6407-0701	2243	NB	3.164	UA	WSMR UA												295	S	S	BYRAM, E. T.
R6607-1903	0331	NB	3.165	UA	WSMR UA												132	P	F	BYRAM, E. T. CARRUTHERS, G. R.
R6705-1601	0832	NB	3.177	UA	WSMR UA												148	S	S	BYRAM, E. T.
R6510-2502	1500	NB	3.184	UA	WSMR UA												171	S	S	CHUBB, T. A. FRIEDMAN, H.
R6703-1602	1548	NB	3.191	UA	WSMR UA												193	S	S	CARRUTHERS, G. R.
R6612-1403	1130	NB	3.194	UA	WSMR UA												177	S	S	BYRAM, E. T.
R6709-0802	0321	NB	3.196	UA	WSMR UA												N/A	S	S	MEEKINS, J. F. HENRY, R. C. FRITZ, G. FRIEDMAN, H. BYRAM, E. T.
R6906-2101	0605	NB	3.202	UA	WSMR UA												184	S	S	PATTERSON, N. P. HENRY, R. C. CARRUTHERS, G. R.
R6804-0701	0545	NB	3.204	UA	WSMR UA												158	S	S	BYRAM, E. T.
R6903-2801	0701	NB	3.205	UA	WSMR UA												161	S	S	CHUBB, T. A. BYRAM, E. T.
R6810-1001	1030	NB	3.206	UA	WSMR UA												175	S	F	CARRUTHERS, G. R.
R7003-1401	0334	NB	3.224	UA	WSMR UA												164	S	S	CARRUTHERS, G. R.
R7008-2202	0358	NB	3.226	UA	WSMR UA												183	S	F	CARRUTHERS, G. R.
R7003-0101	0400	NB	3.237	UA	WSMR UA												210	S	S	WELLER, C. HENRY, R. C. MEEKINS, J. F. FRITZ, G. G.
R6603-3002	0520	NB	20.152	UA	VNBC UA												N/A	S	S	MANGE, P. W.
R6510-0503	0507	NB	20.170	UA	VNBC UA												N/A	S	S	MANGE, P. W.
R7011-2501	0330	NB	22.208	UA	WALI UA												1480	S	P	CARRUTHERS, G. R. WELLER, C. S.

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NSSCC ID	TIME (UT)	AGENCY ID	ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS										APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
						1	2	3	4	5	6	7	8	9	0				
R6204-1703	1720	NC	3.114 F	UA	WSMR UA	G										286	S	F	HOLMES, J. C. HOFFMAN, J. H. NIER, A. O. C.
R6006-1502	1545	NC	3.107	UA	WSMR UA	C										224	S	P	HOLMES, J. C. HOFFMAN, J. H. YOUNG, J. M.
R6006-2702	1315	NC	3.108	UA	WSMR UA	C										222	S	S	HOFFMAN, J. H. HOLMES, J. C. YOUNG, J. M.
R6306-0601	1430	NC	3.112 F	UA	WSMR UA	G										208	S	S	HOFFMAN, J. H. NIER, A. O. C.
R6302-1501	1634	NC	3.134	UA	WSMR UA					D						239	S	S	JOHNSON, C. Y. YOUNG, J. M. HOLMES, J. C.
R6910-1401	0400	NC	3.136	UA	WSMR UA	E	C									217	S	S	YOUNG, J. M. WELLER, C. S. JOHNSON, C. Y.
R6601-2701	0129	NC	3.186	UA	WSMR UA		C									243	P	P	YOUNG, J. M. HOLMES, J. C. JOHNSON, C. Y.
R6708-1201	0630	NC	3.187	UA	WSMR UA		C			E						222	S	P	YOUNG, J. HOLMES, J. C. CARRUTHERS, G. R.
R6602-2103	2023	NC	7.178	UA	FTCR CA		C			E						196	S	S	PATTERSON, N. P. GROBECKER, A. J.
R6512-0801	1321	NC	7.179	UA	EGLN UA					F						140	F	F	GROBECKER, A. J.
R6602-2102	1957	NC	7.180	UA	EGLN UA		C			F						188	S	S	GROBECKER, A. J.
R6602-2101	1310	NC	7.181	UA	EGLN UA		C			F						175	S	S	GROBECKER, A. J.
R6110-0501	1910	NC	17.116	UA	VNBC UA		D									N/A	F	F	HOFFMAN, J. H. HOLMES, J. C. JOHNSON, C. Y.
R6207-2501	1541	NC	17.117	UA	VNBC UA		D									1166	S	P	DYE, C. KLEINSCHMIDT, N.
R6203-2601	1903	NC	17.121	UA	VNBC UA									C		21	F	F	HOFFMAN, J. H. HOLMES, J. C. JOHNSON, C. Y.
R6302-1302		NC	20.133	UA	VNBC UA		C			E						N/A	S	S	HOFFMAN, J. H. MANGE, P. W. GULLEDGE, I. S.
R6303-1602		NC	20.145	UA	VNBC UA		F									N/A		F	HOFFMAN, J. H.
R6607-1403	1010	NC	20.189	UA	VNBC UA					D						100	S	S	HOFFMAN, J. H.

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NSSEC ID	TIME (UT)	AGENCY	ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS		PRINCIPAL EXPERIMENTER(S)
						1	2	3	4	5	6	7	8	9	0	R		E		
R6705-0902	2100	ND	3.159	UA	WSMR UA										E	182	S	S	KOONEN, M. J. PURCELL, J. D. BYRAM, E. T.	
R6011-1002	0235	ND	3.101	UA	WSMR UA	C										211	P	P	PACKER, D. M.	
R6106-1701	0729	ND	3.112	UA	WSMR UA	C										197	P	P	PACKER, D. M.	
R6111-0102	0300	ND	3.122	UA	WSMR UA	D										212	S	P	PACKER, D. M.	
R6402-1701	1000	ND	3.143	UA	WSMR UA	C						C				268	S	S	GULLEDGE, I. S. KOONEN, M. J. PACKER, D. M.	
R6503-3001	0550	ND	3.159	UA	WSMR UA	C								D		217	S	S	PACKER, D. M. GULLEDGE, I. S.	
R6510-2304	0530	ND	3.167	UA	WSMR UA	C										254	S	S	PACKER, D. M. GULLEDGE, I. S.	
R6604-2802	2335	ND	3.172 R	UA	WSMR UA									E		175	S	S	KOONEN, M. J. PURCELL, J. D. SLOAN, W. A.	
R6611-1210	1640	ND	3.128	UA	WSMR UA							C				175	S	S	KOONEN, M. J. PURCELL, J. D.	
R6710-0504	1430	ND	3.192	UA	WSMR UA							E				172	S	S	PURCELL, J. D.	
R6106-2101	1415	NE	3.102	UA	WSMR UA							E				271	S	S	PURCELL, J. D. AUSTIN, W. E. DETWILER, C. R.	
R6108-2901	1435	NE	3.110	UA	WSMR UA							D				260	S	S	GARRETT, D. L. PURCELL, J. D.	
R6111-3001	1710	NE	3.123	UA	WSMR UA							C				238	F	F	PURCELL, J. D. AUSTIN, W. E. DETWILER, C. R.	
R6208-2201	1530	NE	3.128	UA	WSMR UA							E				234	S	S	AUSTIN, W. E. PURCELL, J. D. GARRETT, D. L.	
R6306-2802		NE	3.129	UA	WSMR UA											N/A	S	S	UNKNOWN	
R6302-1802	1743	NE	3.140	UA	WSMR UA							E				306	S	S	PURCELL, J. D. AUSTIN, W. E. GARRETT, D. L.	
R6305-1001	1445	NE	3.140R	UA	WSMR UA							E				214	S	S	GARRETT, D. L. AUSTIN, W. E. PURCELL, J. D.	
R6309-2001	1545	NE	3.151	UA	WSMR UA							E				208	S	S	PURCELL, J. D. AUSTIN, W. E.	
R6311-2701	1750	NE	3.153	UA	WSMR UA							E				216	P	F	PURCELL, J. D. AUSTIN, W. E. SNIDER, C. B.	
R6405-0601	1600	NE	3.154	UA	WSMR UA							E				238	F	F	PURCELL, J. D. AUSTIN, W. E. GARRETT, D. L.	
R6411-1905	1715	NE	3.154R	UA	WSMR UA									D		219	S	P	AUSTIN, W. E. GARRETT, D. L. SNIDER, C. B.	
R6411-1206	1930	NE	3.156	UA	WSMR UA									D		189	S	P	PURCELL, J. D. GARRETT, D. L.	

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NSSCC ID	TIME (UT)	AGENCY	ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS										APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
						1	2	3	4	5	6	7	8	9	0				
R6504-2002	1540	NE	3.150	UA	WSMR UA											20	S	P	AUSTIN, W. L. GARRETT, D. L. SNIDER, C. B.
R6602-0103	1200	NE	3.156 R	UA	WSMR UA											200	S	S	AUSTIN, W. L. GARRETT, D. L. SNIDER, C. B. PURCELL, J. D.
R6808-1402	1637	NE	3.183	UA	WSMR UA											79	F	F	PRINZ, D. K. BARTOE, J. D. UNZICKER, D. E.
R6607-2701	1500	NE	3.190	UA	WSMR UA											211	S	S	GARRETT, D. L. SNIDER, C. B. BARTOE, J. D. PURCELL, J. D.
R6911-0401	0829	NE	3.215	UA	WSMR UA											200	S	S	PURCELL, J. D.
R7003-0711	1900	NE	3.216	UA	WSMR UA											187	S	F	PURCELL, J. D.
R6904-1702	1645	NE	3.223	UA	WSMR UA				B	D						181	S	S	KOONEN, M. J. TOUSEY, R.
R7003-0710	1930	NASA	4.274 D	UA	WSMR UA											163	S	S	KOONEN, M. J. PURCELL, J. D.
R6909-0501		NASA	4.275 D	UA	WSMR UA											N/A	S	S	UNKNOWN
R7003-0712	1835	NE	4.234	UA	WSMR UA											165	S	S	BRUECKNER, G.
R6501-3001	0745	NF	3.162	UA	WSMR UA											211	S	F	HARBIT, M. D.
R6510-2004	1130	NF	3.162 RR	UA	WSMR UA											204	S	S	HARBIT, M. D. MCNUTT, D. P. SHIVANANDAN, K.
R6505-0401	0730	NF	3.162R	UA	WSMR UA											17	F	F	HARBIT, M. D. MCNUTT, D. P. SHIVANANDAN, K.
R6803-2901	0645	NF	3.171	UA	WSMR UA											220	S	S	SHIVANANDAN, K. MCNUTT, D. P. FELDMAN, P. D.
R7001-2401	2200	NF	3.193	UA	WSMR UA											207	F	F	FELDMAN, P. D.
R6911-0801	0730	NF	9.207	UA	WALI UA											189	S	S	SHIVANANDAN, K. MCNUTT, D. P.
R6805-0901	0615	NIKE-TOMAHAWK		UA	EARS UA											178	S	S	UNKNOWN
R6008-0202	1330	NN	2.32	UA	WSMR UA											148	S	P	GARRETT, D. L. DETWILER, C. R. PURCELL, J. D.
R5911-0601	1925	NN	2.78C	UA	WSMR UA											142	S	S	UNKNOWN
R5803-2201	0641	NN	3.05 F	UA	FTCR CA											168	S	S	UNKNOWN
R5811-1601	0656	NN	3.06 F	UA	FTCR CA											159	S	S	UNKNOWN
R5611-2101	0621	NN	3.17	UA	FTCR CA											N/A	S	S	UNKNOWN
R5802-2201	0302	NN	3.18 F	UA	FTCR CA											N/A	S	S	UNKNOWN
R5803-2301	1507	NN	3.19 F	UA	FTCR CA											N/A	S	S	UNKNOWN
R6004-1902	1415	NN	3.60	UA	WSMR UA											222	S	S	PURCELL, J. D. TOUSEY, R. DETWILER, C. R.

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NSSDC ID	TIME (UT)	AGENCY ID	ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS										APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)	
						1	2	3	4	5	6	7	8	9	0					
R5907-1402	1741	NN	8.65	CF	UA	VNBC	UA											F	F	KREPLIN,R.W. MCNUTT,D. REPLIN,R.W. MCNUTT,D.P.
R5907-1701	1740	NN	8.66	CF	UA	VNBC	UA											F	F	CHUBB,T.A. KREPLIN,R.W. MCNUTT,D.
R5907-2401	1734	NN	8.67	CF	UA	VNBC	UA											S	S	KREPLIN,R.W. MCNUTT,D. REPLIN,R.W. MCNUTT,D.P.
R5908-0704	1805	NN	8.68	CF	UA	VNBC	UA											S	S	KREPLIN,R.W. MCNUTT,D. REPLIN,R.W. MCNUTT,D.P.
R5908-1401	1700	NN	8.69	CF	UA	VNBC	UA											S	S	KREPLIN,R.W. MCNUTT,D. REPLIN,R.W. MCNUTT,D.P.
R5908-2202	0230	NN	8.70	CF	UA	VNBC	UA											F	F	KREPLIN,R.W. MCNUTT,D. REPLIN,R.W. MCNUTT,D.P.
R5908-2401	2347	NN	8.71	CF	UA	VNBC	UA											S	P	KREPLIN,R.W. MCNUTT,D. REPLIN,R.W. MCNUTT,D.P.
R5908-2801	1710	NN	8.72	CF	UA	VNBC	UA											S	S	KREPLIN,R.W. MCNUTT,D. REPLIN,R.W. MCNUTT,D.P.
R5908-3101	2353	NN	8.73	CF	UA	VNBC	UA											S	P	KREPLIN,R.W. MCNUTT,D. REPLIN,R.W. MCNUTT,D.P.
R5909-0101	0101	NN	8.74	CF	UA	VNBC	UA											F	F	KREPLIN,R.W. MCNUTT,D. REPLIN,R.W. MCNUTT,D.P.
R5909-0102	1200	NN	8.75	CF	UA	VNBC	UA											S	S	KREPLIN,R.W. MCNUTT,D. REPLIN,R.W. MCNUTT,D.P.
R5909-0201	0003	NN	8.76	CF	UA	VNBC	UA											S	F	CHUBB,T.A. KREPLIN,R.W. MCNUTT,D.
R5607-0501	0752	NRL-33			UA	WSMR	UA											S	S	UNKNOWN
R5606-2901	1909	NRL-50			UA	WSMR	UA											S	S	UNKNOWN

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

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NSSDC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS R	E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0					
R5903-3001	1645	NRL-52	UA	WSMR UA				G							238	S	F	HOLMES, J.C. JOHNSON, C.Y. MEADOWS, E.B.	
R6005-2702	0405	NRL-59	UA	WSMR UA									E		193	S	S	CHUBB, T.A. FRIEDMAN, H. PACKER, D.M.	
R6801-2401	1130	ORION-RAD 2/28	UA	MARC AR					B						90	S	S	SANTOCHI, D.	
R6110-1901	1738	P-21	UA	WALI UA				C							6800	S	S	JACKSON, J.E. BAUER, S.J.	
R6203-2901	0727	P-21A	UA	WALI UA				C							627	S	S	JACKSON, J.E. BAUER, S.J.	
R6406-1901	0129	PMR-15	UA	KWJN UA				Y							N/A	S	S	UNKNOWN	
R6406-1902	1540	PMR-16	UA	KWJN UA				Y							N/A	S	S	UNKNOWN	
R5708-2201	2154	RPX-1	UA CA	FTCR CA										C	44	P	S	UNKNOWN	
R6511-0201	2340	S-1	UA	EGLN UA				V	C						134	S	S	ROSENBERG, N.W.	
R6511-1102	0415	S-2	UA	EGLN UA				V	C						137	S	S	ROSENBERG, N.W.	
R6511-1702	2324	S-3	UA	EGLN UA				V	C						N/A	F	F	ROSENBERG, N.W.	
R6511-1809	0220	S-4	UA	EGLN UA											N/A	S	S	ROSENBERG, N.W.	
R6511-1810	0201	S-5	UA	EGLN UA				V	C						137	S	S	ROSENBERG, N.W.	
R6204-2501	1403	SA-II	UA	CPKF UA				V							145	S	S	JOHNSON, W.G. LUNDQUIST, C.	
R5706-0202	0934	SANDIA 154-53	UA	EARS UA				A					X		160	S	S	UNKNOWN	
R5608-0901	1553	SC-034	UA	WSMR UA				V							N/A	S	S	UNKNOWN	
R5608-1001	1522	SC-035	UA	WSMR UA				G							N/A	S	S	UNKNOWN	
R6410-2401	1733	SKOL 154-30	UA	EARS UA				V							160	S	S	SMITH, L.B.	
R6410-2703	2025	SKOL 154-31	UA	EARS UA				V							160	S	S	SMITH, L.B.	
R6411-0102	0615	SKOL 154-32	UA	EARS UA				Y							140	S	S	SMITH, L.B.	
R6411-0103	0618	SKOL 154-34	UA	EARS UA				Y							160	S	S	SMITH, L.B.	
R6411-0304	1732	SKOL 154-36	UA	EARS UA				V							160	S	S	SMITH, L.B.	
R6704-0401	0032	SKYLARK FLIGHT I	UA	WCOM AU											N/A	S	S	UNKNOWN	
R6408-1702	0049	SL-302	UA	KRCN SW				Z							132	S	S	SMITH, W.S. WITT, G.	
R6708-2901	1001	SL-522	UA	WCOM AU				C							124	S	S	INGHAM, M.F.	
R5801-2702	1849	SM 2.10	UA CA	FTCR CA				F							143	S	S	UNKNOWN	
R6605-2402	2300	SR-031	UA	WSMR UA				J							N/A	S	S	UNKNOWN	
R6505-1802	2203	SURINAME-001	UA	CORE SM				V							205	S	S	VELDKAMP, J. DE JAGER, C.	
R7001-1405	0405	UCL 05	UA	FTCR CA				B					B		259	S	S	MATTHEWS, D.L.	
R4909-2001	1700	V2-49	UA	WSMR UA					C						151	S	S	SEEDON, J.C.	
R5405-0701	1000	VIKING-10	UA	WSMR UA					C						N/A	S	S	SEEDON, J.C. JACKSON, J.E.	

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NSSCC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS		PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0	R		E		
R71C8-1902	1832	VIPER DART	UA	WALI UA	A											135	S	S	THEON, J. S. OLSON, R.
					B														
					C														
					F														
R6611-1701	0141	Y-10	UA	YUMA UA	V											112	S	S	UNKNOWN
R6611-1702	0241	Y-11	UA	YUMA UA	V											119	S	S	UNKNOWN
R6611-1703	0532	Y-12	UA	YUMA UA	V											112	S	S	UNKNOWN
R6611-1704	0716	Y-13	UA	YUMA UA	V											120	S	S	UNKNOWN
R6611-1903	0118	Y-14	UA	YUMA UA	V											120	S	S	UNKNOWN
R6611-1904	0212	Y-15	UA	YUMA UA	V											127	S	S	UNKNOWN
R6611-1905	0449	Y-16	UA	YUMA UA	V											139	S	S	UNKNOWN
R6611-1906	0643	Y-17	UA	YUMA UA	V											138	S	S	UNKNOWN
R6611-1907	0831	Y-18	UA	YUMA UA	V											144	S	S	UNKNOWN
R6611-1908	0935	Y-19	UA	YUMA UA	V											120	S	S	UNKNOWN
R6611-1909	1152	Y-20	UA	YUMA UA	V											167	S	S	UNKNOWN
R6611-2002	0245	Y-21	UA	YUMA UA	V											142	S	S	UNKNOWN
R6011-2003	0421	Y-22	UA	YUMA UA	V											111	S	S	UNKNOWN
P6611-2004	0537	Y-23	UA	YUMA UA	V											111	S	S	UNKNOWN
R6611-2005	0659	Y-24	UA	YUMA UA	V											147	S	S	UNKNOWN
R6407-0601	1923		UK	SARA IT	V											N/A	S	S	UNKNOWN
R6407-0801	1922		UK	SARA IT	V											N/A	S	S	UNKNOWN
R6611-1001	2235		UK	WCOM AU												N/A	S	S	UNKNOWN
R6718-2601	N		UK													N/A			UNKNOWN
R6809-2003	1532		UK NO DE SW	ANDA NO	X	X	X	X								239	S	S	LANDMARK, B. FOLKESTAD, K. SKOVLI, G. JESPERSEN, M. OLESEN, O. H. BURROWS, D. K.
R6810-0102	2144		UK NO DE	ANDA NO	X	X	X	X								230	S	S	LANDMARK, B. ARMSTRONG, R. FOLKESTAD, K. MASEIDE, K. SKOVLI, G. ARSNES, K. JESPERSEN, M. OLESEN, O. H. BRYANT, D. TROI, M. J.
R6812-1307	1515		UK	BARB UK	A											76	S	S	UNKNOWN
R6812-1308	1720		UK	BARB UK	A											78	S	S	UNKNOWN
R6812-1402	0527		UK	BARB UK	A											76	S	S	UNKNOWN
R6812-1403	0715		UK	BARB UK	A											79	S	S	UNKNOWN
R6812-1404	0919		UK	BARB UK	A											61	S	S	UNKNOWN
R6812-1405	1127		UK	BARB UK	A											79	S	S	UNKNOWN
R6812-1406	1030		UK	BARB UK	A											80	S	S	UNKNOWN
R7105-0601	0016	AOC7.902-07	UK UA	EGLN UA												120	S	S	WOOLLI SCROFT, L. J. C.
R7105-0801	1600	AOC7.902-08	UK UA	EGLN UA												135	S	P	WOOLLI SCROFT, L. J. C.

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NSSDC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0					
R6808-1203	1204	AE-007	UK DE	KIRA SW			X	X	X							96	S	S	BOYD,R.L.F. PETERS,B.
R6808-2501	1641	AE-008	UK DE	KIRA SW				C								109	S	S	BOYD,R.L.F. PETERS,B.
R6802-0102	0542	CE-34	UK	KIRA SW			A	Z								150	S	S	JAESCHKE,R. GROVES,G.V.
R6802-0401	0533	CE-35	UK	KIRA SW			A	Z								146	S	S	JAESCHKE,R. GROVES,G.V.
R6803-0601	2135	CE-37	UK	KIRA SW		B		A								155	S	S	MULTQUIST,B. BOYD,R.L.F. PETERS,B.
R6810-0802	1143	CE-48	UK	KIRA SW		B					G					140	S	S	BRINI,D. PAGE,D.E.
R7103-2501	1350	ESRD S56B/C1	UK FP	SARA IT			G	C			E	F				130	S	S	HALL,J.E. VON ZAHN,U.
R7101-0803	1502	ESRD SK83/C01	UK	KIRA SW			Y									67	S	S	SCOTT,A.F.D.
R7101-1501	1525	ESRD SK83/C02	UK	KIRA SW			Y									69	S	S	SCOTT,A.F.D.
R7101-1703	1600	ESRD SK83/C03	UK	KIRA SW			Y									35	S	S	SCOTT,A.F.D.
R7101-1902	1520	ESRD SK83/C04	UK	KIRA SW			Y									71	S	S	SCOTT,A.F.D.
R7101-2107	1507	ESRD SK83/C05	UK	KIRA SW			Y									69	S	S	SCOTT,A.F.D.
R7101-2305	1553	ESRD SK83/C06	UK	KIRA SW			Y									67	S	S	SCOTT,A.F.D.
R7101-2502	1510	ESRD SK83/C07	UK	KIRA SW			Y									68	S	S	SCOTT,A.F.D.
R7101-2701	1525	ESRD SK83/C08	UK	KIRA SW			Y									47	S	S	SCOTT,A.F.D.
R7101-2903	1721	ESRD SK83/C09	UK	KIRA SW			Y									71	S	S	SCOTT,A.F.D.
R7101-3102	1645	ESRD SK83/C10	UK	KIRA SW			Y									70	S	S	SCOTT,A.F.D.
R7102-0301	1812	ESRD SK83/C11	UK	KIRA SW			Y									68	S	S	SCOTT,A.F.D.
R7102-0801	2048	ESRD SK83/C12	UK	KIRA SW			Y									48	S	S	SCOTT,A.F.D.
R7102-0901	1800	ESRD SK83/C13	UK	KIRA SW			Y									67	S	S	SCOTT,A.F.D.
R7102-1101	1750	ESRD SK83/C14	UK	KIRA SW			Y									65	S	S	SCOTT,A.F.D.
R7102-1201	1730	ESRD SK83/C15	UK	KIRA SW			Y									67	S	S	SCOTT,A.F.D.
R7002-2601	0447	ESRD6L1/C02	UK FP SW	KIRA SW			G	D								225	S	S	MILLER,D.E. VON ZAHN,U. EBERHARDT,P.
R6808-1204		ESRDAS0/C02	UK	KIRA SW					C							N/A	S	S	UNKNOWN
R6802-0107		ESROC36/C01	UK SW	KIRA SW			Z									N/A	S	S	UNKNOWN
R6802-0402		ESROC36/C02	UK SW	KIRA SW			Z									N/A	S	S	UNKNOWN
R7002-0403	0526	ESROC57/C01	UK SW	KIRA SW			Z									N/A	S	S	SCOTT,A.F.D.
R7004-0302	0122	ESROC57/C02	UK SW	KIRA SW			Z									173	S	S	SCOTT,A.F.D.
R7101-2603	1322	ESROP40/C07	UK DE AE	KIRA SW					C	B						145	S	S	WRENN,G.L. JESPERSEN,M. VAN BEEK,H.F.
R7103-1203	2114	ESROS16/C02	UK UA	KIRA SW					E	A	B					143	S	S	WRENN,G.L. BURROWS,K. AGGSON,T.L.

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					1	2	3	4	5	6	7	8	9	0	R		E		
R7102-2601	1018	ESROS54/	UK	SARA IT												250	S	S	GLENCROSS, W. H.
R7002-2501	1633	ESROS61/CC1	UK FP SW	KIRA SW		G	D									220	S	S	MILLER, D. E. VON ZAHN, U. EBERHARDT, P.
R7007-0301	1951	ESROS63/002	UK IT	SARA IT		V	C		A							150	S	S	DORLING, E. B. BURROWS, K. PUJO, A. R.
R7007-0801	1945	ESROS65/001	UK SP	SARA IT		V	C		A							149	S	S	DORLING, E. B. BURROWS, K. PUJO, A. R.
R7002-1404	1616	ESROS66/001	UK SW NE FP	KIRA SW		V	E		B							210	S	S	WRENN, G. L. FALTHAMMAR, K. G. PEDERSEN, A. HAERENDEL, G. SCHUMANN, G.
R7004-0201	0146	ESROS66/002	UK SW NE FP	KIRA SW		V	E		B							198	S	S	WRENN, G. L. FALTHAMMAR, K. G. PEDERSEN, A. HAERENDEL, G. SCHUMANN, G.
R7010-2801	2034	ESROS67/001	UK FR SW BL	KIRA SW		B			D							229	S	S	BRYANT, D. A. REME, H. HULTQVIST, B. MONFILS, A.
R7010-2901	2139	ESROS67/002	UK FR SW BL	KIRA SW		B			D							234	S	S	BRYANT, D. A. REME, H. HULTQVIST, B. MONFILS, A.
R7102-0601	1830	ESROS80/001	UK FP	SARA IT		G	C				E					222	S	S	SAYERS, J. HALL, J. E. KRANKOWSKY, D. VON ZAHN, U.
R7102-0602	2322	ESROS80/002	UK FP	SARA IT		G	C				E					226	S	S	SAYERS, J. HALL, J. E. KRANKOWSKY, D. VON ZAHN, U.
R7102-0701	0345	ESROS80/003	UK FP	SARA IT		G	C				E					214	S	S	SAYERS, J. HALL, J. E. KRANKOWSKY, D. VON ZAHN, U.
R7102-2201	1140	ESROS85/	UK	WCCM AU												222	S	S	SHENTON, D. B.
R6802-0301	1712	P005H	UK	SUST SC												140	S	S	BRYANT, D. A.
R6802-2902	2118	P006H	UK	SUST SC												N/A	S	S	BRYANT, D. A.
R6803-0602	1636	P007H	UK	SUST SU												N/A	S	S	WILSON, J. W. G. ROTHWELL, P.
R6803-2507	2114	P009H	UK	SUST SC												135	S	S	WILSON, J. W. G. ROTHWELL, P.

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

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					1	2	3	4	5	6	7	8	9	0	R		E			
R6812-0903	1317	P009H	UK	SUST SC	C												118	S	P	WILLIAMS, E. R.
R7009-1801	1139	P010H	UK	SUST UK	C												144	S	S	WILLIAMS, E. R.
R6903-1801	1816	P011K	UK SW	KIRA SW	V												170	S	S	ROTHWELL, P. MORTELLI, E. BULLOUGH, K.
R6908-0201	1137	P012N	UK	SUST SC	C												126	S	S	
R6808-0105	1027	P013H	UK	SUST SC	E												93	S	P	HALL, J. E. BRYANT, D. A.
R6910-1402	1843	P014H	UK	SUST SC	C												N/A	S	S	BOWEN, P. J.
R6811-1101	0900	P015H	UK	SUST SC	C												142	S	P	WILSON, J. W. G. ROTHWELL, P.
R6910-1701	0204	P016H	UK	SUST SC	E												N/A	S	P	WILSON, J. W. G. ROTHWELL, P.
R6806-0101	1750	P018H	UK	SUST SC	C												131	S	S	BULLOUGH, K.
R6811-3001	1457	P019H	UK	SUST SC	E												N/A	S	S	HALL, J. E. BRYANT, D. A.
R6910-1001	0749	P020H	UK	SUST SC	C												130	S	P	ROTHWELL, P. WILSON, J. W. G.
R7011-1202	1230	P021H	UK	SUST UK	C												85	P	S	WILLIAMS, E. R.
R6812-0504	1529	P022H	UK	SUST SC	C												144	S	P	HALL, J. E.
R6902-1101	2110	P023K	UK SW	KIRA SW	A												157	S	P	BRYANT, D. A.
R6902-0301	2105	P024K	UK SW	KIRA SW	E												157	F	F	BRYANT, D. A.
R6903-1704	1823	P025K	UK SW	KIRA SW	C												148	S	F	WILSON, J. W. G.
R6903-2905	2000	P026K	UK SW	KIRA SW	E												150	S	S	BULLOUGH, K.
R6902-1407	2215	P027K	UK SW	KIRA SW	C												149	S	S	BULLOUGH, K.
R6903-1502	2120	P028K	UK	KIRA SW	E												153	S	S	BULLOUGH, K.
R6903-1705	0004	P029K	UK SW	KIRA SW	C												151	S	S	ROTHWELL, P.
R7009-0801	0507	P030H	UK	SUST UK	E												148	S	S	BOWEN, P. J.
R7009-1101	0559	P031H	UK	SUST UK	C												N/A	S	S	BOWEN, P. J.
R7009-0802	1901	P032H	UK	SUST UK	E												149	S	S	BOWEN, P. J.
R6906-1801	1250	P034H	UK	SUST SC	C												137	F	F	HALL, J. E.
R6906-1901	1606	P035H	UK	SUST SC	A												136	S	S	HALL, J. E.

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					1	2	3	4	5	6	7	8	9	0					
R7004-2101	2141	P036H	UK	SUST SC												139	S	S	ROTHWELL, P. PROCA, G.
R7011-1601	2108	PC37H	UK	SUST UK												N/A	S	S	ROTHWELL, P.
R6910-1101	1936	PC39H	UK	SUST SC			V									N/A	S	S	ROTHWELL, P. MARTELLI, G.
R7006-2703	1727	P039H	UK	SUST SC												126	S	S	BULLOUGH, K.
R6907-2801	1415	P040H	UK	SUST SC												121	S	S	BULLOUGH, K.
R6909-3001	2341	P046H	UK	SUST SC												N/A	S	S	HALL, J. E. BRYANT, D. A. DICKENSON, P. H. G.
R7011-1903	0616	P047H	UK	SUST UK												129	S	S	RYCROFT, M. J. BULLOUGH, K.
R6910-0101	0520	P051H	UK	SUST SC												N/A	S	S	HALL, J. E. BRYANT, D. A. DICKENSON, P. H. G.
R6910-0102	0221	P052H	UK	SUST SC												N/A	P	P	HALL, J. E. BRYANT, D. A. DICKENSON, P. H. G.
R7002-2101	1235	P053H	UK	SUST SC												148	S	S	GOODALL, C. V.
R6905-1501	1334	P058H	UK	SUST SC												N/A	S	S	HALL, J. E.
R7012-0205	1303	P081H	UK	SUST UK												38	F	S	HALL, J. E.
R6805-2902	1315	P17H	UK	SUST SC												N/A	F	F	BULLOUGH, K.
R6707-0802	0010	S01H	UK	SUST SC												73	S	S	WILLIAMS, E. R.
R6707-1204	0011	S02H	UK	SUST SC												81	S	F	WILLIAMS, E. R.
R6806-2101	1228	S03H	UK	SUST SC												N/A	F	F	WILLMORE, A. P.
R6806-2201	1515	S04H	UK	SUST SC												101	S	S	GILMORE, D. J.
R6807-0201	1343	S05H	UK	SUST SC												N/A	S	P	WILLMORE, A. F.
R6807-0802	1455	S06H	UK	SUST SC												100	S	S	GILMORE, D. J.
R6812-0502	1136	S07AH	UK	SUST SC												111	S	S	WILLMORE, A. F.
R6811-2204	1256	S07H	UK	SUST SC												N/A	S	S	GILMORE, D. J.
R6803-2906	1253	S08H	UK	SUST SC												88	S	P	WILLIAMS, E. R.
R6808-0705	1312	S09H	UK	SUST SC												93	S	S	WILLIAMS, E. R.
R6811-0801	1200	S10H	UK	SUST SC												N/A	S	S	WILLIAMS, E. R.
R6811-1601	1149	S11H	UK	SUST SC												N/A	S	S	WILLIAMS, E. R.

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					1	2	3	4	5	6	7	8	9	0				
R6812-0503	1348	S12H	UK	SUST SC	B	C									92	S	S	WILLIAMS, E. R.
R7002-1802	0905	S13T/C	UK IN	THUM IN		C	A								92	S	S	WILLMORE, A. F. HAWKINS, F. J.
R7004-1604	0150	S14T/C	UK IN	THUM IN		C	A								91	S	S	WILLMORE, A. F. NORMAN, K.
R7004-1503	1005	S15T/C	UK IN	THUM IN		C	A								93	S	F	WILLMORE, A. F. NORMAN, K. SHIRKE, J. S.
R6803-2704		S16/1	UK SW	KIRA SW	B	C									N/A	S	S	UNKNOWN
R7004-1402	0915	S16H	UK	SUST SC		C	A								92	S	S	WILLMORE, A. F. NORMAN, K. SHIRKE, J. S.
R7004-1403	1233	S17H	UK	SUST SC		C	A								92	S	S	WILLMORE, A. F. SHIRKE, J. S.
R7004-1701	1306	S18H	UK	SUST SC		C	A								95	S	S	WILLMORE, A. F. SHIRKE, J. S.
R7001-1201	1253	S22H	UK	SUST SC	B	C									85	S	P	WILLIAMS, E. R.
R7006-2401	1509	S23H	UK	SUST SC	B	A									N/A	S	S	WILLIAMS, E. R.
R6912-1202	1304	S24H	UK	SUST SC	B	C									79	S	P	WILLIAMS, E. R.
R6912-1601	1443	S25H	UK	SUST SC	B	C									89	S	S	WILLIAMS, E. R.
R7001-0901	1417	S26H	UK	SUST SC	B	C									82	S	S	WILLIAMS, E. R.
R7004-1102	1606	S27H	UK	SUST SC	B	C					A				N/A	S	S	WILLIAMS, E. R.
R7004-1103	1306	S28H	UK	SUST SC	C	C					A				N/A	S	S	WILLIAMS, E. R.
R6910-0501	2228	S29/1	UK SW	KIRA SW	V	C	D								225	S	S	BYRNE, F. N. BRYANT, D. A. SAYERS, J.
R6910-1704	2227	S29/2	UK SW	KIRA SW	V	C	D								225	S	S	BYRNE, F. N. BRYANT, D. A. SAYERS, J.
R7007-0101	1506	S29H	UK	SUST SC	C	C									N/A	S	S	WILLIAMS, E. R.
R7012-0602	1113	S65	UK	SARA IT						F					187	S	S	EVANS, K. D.
R7002-1003	1410	S72	UK AU	WOOM AU							E				244	S	S	BOCKENBERG, A.
R6602-0802	2000	SA-1	UK	SUST UK	A	C									62	S	S	FRITH, R.
R6602-1009	2000	SA-1	UK	SUST UK	A	C									62	S	S	FRITH, R.

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NSSCC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS										APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0				
R6602-1201	2000	SA-I	UK	SUST UK	A										62	S	S	FRITH,R.
R6602-1401	2000	SA-I	UK	SUST UK	C										62	S	S	FRITH,R.
R6602-1802	2000	SA-I	UK	SUST UK	F										64	S	S	FRITH,R.
R6602-2104	2200	SA-I	UK	SUST UK	A										64	S	S	FRITH,R.
R6602-2303	2000	SA-I	UK	SUST UK	C										65	S	S	FRITH,R.
R6602-2604	2000	SA-I	UK	SUST UK	F										57	S	S	FRITH,R.
R6602-2802	2000	SA-I	UK	SUST UK	A										65	S	S	FRITH,R.
R6603-0204	2000	SA-I	UK	SUST UK	C										65	S	S	FRITH,R.
R6603-0401	2000	SA-I	UK	SUST UK	F										64	S	S	FRITH,R.
R6603-0701	2000	SA-I	UK	SUST UK	A										68	S	S	FRITH,R.
R6603-0901	2000	SA-I	UK	SUST UK	C										65	S	S	FRITH,R.
R6604-1801	2153	SA-I	UK	SUST UK	F										69	S	S	HEIKKILA,W.J.A. BARRINGTON,R.
R6604-2103	2203	SA-I	UK	SUST UK	A										68	S	S	FRITH,R.
R6609-2702	2037	SA-I	UK	SUST UK	C										59	S	S	FRITH,R.
R6709-2701	1332	SK-18	UK	SARA IT	F										175	S	S	HALL,J.E. SAYERS,J.
R6812-0302	2038	SK-21	UK	SARA IT											198	S	S	BUTLER,H.E.
R6803-2601	2241	SK-23	UK	KIRA SW	E										171	S	S	BOYD,R.L.F. HALL,S.H.
R6811-2203	1116	SK-25	UK	SARA IT											210	S	S	DE JAGER,C. STEWARTSON,E.A.

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NSSC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS										APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0				
R6811-2501	0042	SK-27	UK	KIRA SW	B	C								210	S	S	RAWER, K. MONFELS, A. HULTQUIST, B. BUTLER, H. E.	
R6810-C701	2140	SK-28	UK	SARA IT		A			D					168	S	S		
R6008-2701	1110	SL-013	UK	WOOM AU	D									N/A	S	S	UNKNOWN	
R6209-1102	1330	SL-044	UK	WOOM AU		C								232	S	S	UNKNOWN	
R6206-2002	0520	SL-045	UK	WCCM AU	Y				F					227	S	S	UNKNOWN	
R6306-2002	0520	SL-046	UK	WOOM AU		C			F					227	S	S	UNKNOWN	
R6507-1402	1108	SL-048	UK	WOOM AU					D					183	S	S	UNKNOWN	
R6310-0201	1510	SL-081A	UK	WOOM AU		C					A			148	S	S	UNKNOWN	
R6210-1502	1617	SL-082	UK	WOOM AU		C								154	S	S	UNKNOWN	
R6303-0101	0120	SL-084	UK	WCCM AU		C			F					209	S	S	UNKNOWN	
R6303-1101	0430	SL-085	UK	WCCM AU		C			F					209	S	S	UNKNOWN	
R6311-1901	0005	SL-103	UK	WOOM AU		C			F					N/A	F	F	UNKNOWN	
R6312-0301	0459	SL-104	UK	WCCM AU		C			F					N/A	F	F	UNKNOWN	
R6507-2901	0115	SL-105	UK	WCCM AU		E			F					N/A	F	F	UNKNOWN	
R6507-0101	0145	SL-106	UK	WOOM AU		E			F		A			N/A	S	S	UNKNOWN	
R6209-2001	0421	SL-108	UK	WCCM AU		C								113	S	S	UNKNOWN	
R6208-1501	2120	SL-109	UK	WOOM AU		C								111	S	S	UNKNOWN	
R6211-1302	1010	SL-114	UK	WOOM AU					F		A			206	S	S	UNKNOWN	
R6305-2302	0846	SL-115	UK	WOOM AU		A			F					201	S	S	UNKNOWN	
R6704-1205	1232	SL-119	UK AU	WOOM AU	X				X					160	S	S	BYRNE, F. N. POUNDS, K. A.	
R6308-0103	0556	SL-126	UK	WOOM AU		C			F					196	S	S	UNKNOWN	
R6305-2901	0435	SL-127	UK	WOOM AU		C			F					209	S	S	UNKNOWN	
R6403-1203	0207	SL-128	UK	WOOM AU					A	F				176	S	S	UNKNOWN	
R6403-0301	0208	SL-129	UK	WOOM AU		D			A		G			175	S	S	UNKNOWN	
R6403-1001	0208	SL-129	UK	WOOM AU					A	F				175	S	S	UNKNOWN	
R6404-1102	0919	SL-136	UK	WOOM AU		G								200	S	S	UNKNOWN	
R6505-1902	0525	SL-138	UK	WOOM AU		C			F					179	S	S	UNKNOWN	
R6505-1401	1605	SL-139	UK	WOOM AU		C								187	S	S	UNKNOWN	
R6503-2503	0006	SL-141	UK	WOOM AU		C				C				174	S	S	UNKNOWN	
R6207-0501	0346	SL-164	UK	WOOM AU	Y									111	S	S	UNKNOWN	
R6211-2804	1017	SL-165	UK	WOOM AU	Z									230	S	S	UNKNOWN	
R6212-0406	0756	SL-166	UK	WOOM AU	Y									105	S	S	UNKNOWN	
R6304-1701	0923	SL-167	UK	WOOM AU	Z									236	S	S	UNKNOWN	

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					1	2	3	4	5	6	7	8	9	0		R	E	
R6310-1602	1922	SL-168	UK	WCOM AU	Z	V	Y							180	S	S	UNKNOWN	
R6310-1503	1148	SL-169	UK	WCOM AU	Z	Y								139	S	S	UNKNOWN	
R6310-1601	1509	SL-170	UK	WCOM AU	Z	Y								140	S	S	UNKNOWN	
R6310-1502	0951	SL-171	UK	WCOM AU	Y	V	Y							210	S	S	UNKNOWN	
R6408-1102	0510	SL-301	UK	WCOM AU	Z									145	S	S	UNKNOWN	
R6412-1702	0305	SL-302	UK	WCOM AU					E					167	S	S	UNKNOWN	
R6504-0903	0101	SL-303	UK	WCOM AU					E					160	S	S	UNKNOWN	
R6605-0501	0414	SL-304	UK	WCOM AU					F					N/A	S	S	UNKNOWN	
R6708-0803	0328	SL-305	UK	WCOM AU					F					182	S	S	POUNDS, K. A.	
R6602-0204	2315	SL-307	UK	WCOM AU					E					216	S	S	GLENCROSS, W. M.	
R6505-1103	2040	SL-361	UK	WCOM AU	V	Y			F					181	S	S	UNKNOWN	
R6504-2902	1109	SL-363	UK	WCOM AU	V	Y								136	S	S	UNKNOWN	
R6504-2903	1225	SL-364	UK	WCOM AU	Z									132	S	S	UNKNOWN	
R7003-1904	1518	SL-401	UK	WCOM AU	Z				D	A				181	S	S	BUTLER, H. E.	
R6807-0801	0605	SL-403	UK AU	WCOM AU					F					180	S	S	HUMPHRIES, C. M.	
R6907-1402	0214	SL-404	UK	WCOM AU					E					178	F	F	POUNDS, K. A.	
R6703-1404	0600	SL-406	UK AU	WCOM AU				X						200	S	S	WILSON, R.	
R6711-0102	0430	SL-407	UK	WCOM AU			D	B	E					209	S	S	RUSSELL, P. C.	
R6803-2001	0457	SL-408	UK AU	WCOM AU			G	B						217	S	S	WILSON, R.	
R6711-1402	0527	SL-423	UK	WCOM AU			C		E					178	S	S	POUNDS, K. A.	
R6711-1403	0527	SL-424	UK	WCOM AU			C		E					178	S	S	HALL, J. E.	
R6504-3002	1606	SL-462	UK	WCOM AU	Z									140	S	S	HALL, J. E.	
R6504-2001	0903	SL-464	UK	WCOM AU	Z									N/A	F	F	HALL, S. H.	
R6808-2901	1943	SL-501	UK AU	WCOM AU	V				C	D				210	S	S	UNKNOWN	
							D										WAGER, J. H.	
							O										TIMOTHY, G.	

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

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NSSCC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS R E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0				
R6904-0301	0035	SL-502	UK AU	WCOM AU												273	S S	BOYD, R. L. F. WILLMORE, A. P. TIMOTHY, G. WAGER, J.
R6708-2401	1005	SL-521	UK	WCOM AU												176	S S	INGHAM, M. F.
R6807-2401	0141	SL-523	UK AU	WCOM AU												258	S S	BENYON, W. J. G.
R6808-0502		SL-524	UK AU	WCOM AU												235	S S	UNKNOWN
R6808-0601	0155	SL-524	UK	WCOM AU												234	S S	WILLIAMS, E. R.
R6802-0801		SL-523A	UK AU	WCOM AU										A		300	S S	UNKNOWN
R6812-0501	0035	SL-601	UK AU	WCOM UA												182	S S	BATES, B. SHENTON, D. B.
R6911-1802	0217	SL-602	UK AU	WCOM AU												208	P S	WILLMORE, A. F. GILMORE, D. J.
R6911-2602	2332	SL-603	UK AU	WCOM AU												180	S S	SHENTON, D. B. BRADLEY, D. BATES, B.
R6904-2201	0331	SL-604	UK AU	WCOM AU												181	S S	WILSON, R. JONES, B. ENGSTROM, F.
R6908-2104	0157	SL-605	UK AU	WCOM AU												197	S S	EVANS, K. D. WATSON, D.
R6904-1704	0505	SL-606	UK AU	WCOM AU												202	S P	WILSON, R. BURTON, W. M. STEWART, K. H. KERLEY, M. J.
R6907-2501	0410	SL-721	UK AU	WCOM AU												213	S S	KATSER, T. R. HUGHES, A. BEYNON, W. J. H.
R6907-1401	2353	SL-722	UK AU	WCOM AU												192	S S	WILLIAMS, E. R. KATSER, T. R. BEYNON, W. J. G. WILLIAMS, E. R. HUGHES, A.
R6806-0401	1030	SL-723	UK	WCOM AU												184	S S	POUNDS, K. A.
R6904-0102	0554	SL-724	UK AU	WCOM AU												192	S S	COOKE, B. A.
R6812-0701	0433	SL-725	UK AU	WCOM AU												154	S S	BURROWS, K. WILLMORE, P. A.
R6901-2301	2000	SL-726	UK AU	WCOM AU												149	S S	BURROWS, K. WILSON, J. DORLING, E.
R7007-1001	0000	SL-727	UK AU	WCOM AU												203	S S	DORLING, E. B. BURROWS, K. MCCRACKEN, K. G.
R7004-1601	0637	SL-728	UK AU	WCOM AU												210	S S	HARRIES, J. STEWART, K. H.

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NSSDC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS		PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0	R		E		
R6907-1604	2233	SL-729	UK AU	WCCM AU	C	E									244	S	S	BYRNE, F. N. WRENN, G. BEYNON, W. J. H. HANNA, P. B. MCKINLEY, I.	
R6907-2901	2257	SL-730	UK AU	WCCM AU	C	C									196	S	S	BYRNE, F. N. BEYNON, W. J. G. WILLMORE, A. P. HANNA, B. MCKINLEY, I.	
R6805-3102	2039	SL-761	UK AU	WCCM AU		Z									238	S	S	REES, D. J.	
R6805-3101	0449	SL-762	UK AU	WCCM AU		V									242	S	S	REES, D. J.	
R6901-2101	0419	SL-781	UK AU	WCCM AU		V									N/A	F	F	MCCRACKEN, K. G. FENTON, G. FRANCEY, R.	
R6911-2001	0030	SL-801	UK AU	WCCM AU		G									242	P	S	SHENTON, D. B. BURTON, W. M. WILDMAN, P. J. L. KERLEY, M. J.	
R7003-2402	2200	SL-802	UK AU	WCCM AU											179	S	F	ADAMS, D. J. JANES, A. F.	
R7004-0701	0320	SL-803	UK AU	WCCM AU											204	S	S	ENGSTROM, F. SHENTON, D. B.	
R7007-1502	1400	SL-811	UK	WCCM AU											164	P	P	BURTON, W. M. BOKSENBERG, A.	
R6910-2201	0610	SL-821	UK AU	WCCM AU			C								216	S	S	BOYD, R. L. F. WILLMORE, P. A. DORLING, E. B.	
R6910-1502	1846	SL-861	UK AU	WCCM AU		Z									318	S	S	REES, D. J.	
R6910-1702	0515	SL-862	UK AU	WCCM AU		V									318	S	S	REES, D. J.	
R7001-1802	2200	SL-901	UK AU	WCCM AU											208	S	S	COOKE, B. A.	
R7003-1103	2201	SL-921	UK AU	WCCM AU											247	F	F	WILLMORE, A. F. CRUISE, A. M.	
R7007-1401	0452	SL-971	UK AU	WCCM AU											223	S	S	WILLMORE, A. F. GILMORE, D. J.	
R7001-0501	1421	UCL 01	UK	KIRA SW		A									77	S	P	GROVES, G. V. SCOTT, A. F. D. HAMILTON, R. A. ALMOND, R.	
R7001-0701	1425	UCL 02	UK	KIRA SW		A									75	S	S	GROVES, G. V. SCOTT, A. F. D. HAMILTON, R. A. ALMOND, R. THEON, J. S.	

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					1	2	3	4	5	6	7	8	9	0					
R7001-0908	1441	UCL 03	UK	KIRA SW	A											74	S	S	GROVES, G. V. SCOTT, A. F. D. HAMILTON, R. A. ALMOND, R.
R7001-1202	1419	UCL 04	UK	KIRA SW	A											88	S	S	GROVES, G. V. SCOTT, A. F. D. HAMILTON, R. A. ALMOND, R.
R7001-1703	1446	UCL 06	UK	KIRA SW	A											72	S	F	GROVES, G. V. SCOTT, A. F. D. HAMILTON, R. A. ALMOND, R.
R7001-1901	1501	UCL 07	UK	KIRA SW	A											70	S	S	GROVES, G. V. SCOTT, A. F. D. HAMILTON, R. A. ALMOND, R.
R7001-2108	1500	UCL 08	UK	KIRA SW	A											71	S	S	GROVES, G. V. SCOTT, A. F. D. HAMILTON, R. A. ALMOND, R.
R7001-2303	1506	UCL 09	UK	KIRA SW	A											71	S	S	GROVES, G. V. SCOTT, A. F. D. HAMILTON, R. A. ALMOND, R.
R7001-2601	1518	UCL 10	UK	KIRA SW	A											73	S	S	GROVES, G. V. SCOTT, A. F. D. HAMILTON, R. A. ALMOND, R.
R7001-2801	1518	UCL 11	UK	KIRA SW	A											75	S	S	GROVES, G. V. SCOTT, A. F. D. HAMILTON, R. A. ALMOND, R.
R7001-3001	1527	UCL 12	UK	KIRA SW	A											78	S	S	GROVES, G. V. SCOTT, A. F. D. HAMILTON, R. A. ALMOND, R.
R7001-1415	1440	UCL05	UK	KIRA SW	A											N/A	S	S	GROVES, G. V. SCOTT, A. F. D. HAMILTON, R. A. ALMOND, R.
R5405-2601	1424		UR	KAPU UR	C											106	S	S	UNKNOWN
R5705-1601	0318		UR	KAPU UR	C											205	S	S	UNKNOWN
R5708-2502	0327		UR	KAPU UA	C											208	S	S	UNKNOWN
R5709-0901	1850		UR	UR	D											206			UNKNOWN
R5808-0201	0847		UR	UR	D											210	S	S	UNKNOWN
R5808-1301	0500		UR	UR	D											211			UNKNOWN
R5907-1401			UR	UR	D											203	S	S	UNKNOWN

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NSSDC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS										APPROX APOGEE	SUCCESS		PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0		R	E	
R5907-2201			UR	UR	G	O									211	S	S	UNKNOWN
R6006-1503	0343		UR	UR		C									N/A	S	S	UNKNOWN
R6006-1504			UR	UR		C									N/A	S	S	UNKNOWN
R6007-1501			UR	UR		D									206			UNKNOWN
R6009-2301			UR	KAPU	UR	G	O								N/A	S	S	UNKNOWN
R6111-1501			UR	UR		G	O								430	S	S	UNKNOWN
R6210-1803			UR	UR			O								508			UNKNOWN
R6301-2701	0100		UR	KAPU	UR										N/A	S	S	UNKNOWN
R6612-1406	0730		UR	KAPU	UR	G									100	S	S	UNKNOWN
R6612-1501	2012		UR	VOLG	UR	G									N/A	S	S	UNKNOWN
R6702-0302			UR	KAPU	UR					X					N/A	S	S	UNKNOWN
R6705-0703	1526		UR	UR			X								N/A	S	S	UNKNOWN
R6706-1302	1636		UR	UR			X								N/A	S	S	UNKNOWN
R6706-1501	1638		UR				X								N/A	S	S	UNKNOWN
R6706-1702	1628		UR				X								N/A	S	S	UNKNOWN
R6706-1703	2115		UR	UR			X								N/A	S	S	UNKNOWN
R6708-1102	2025		UR				X								N/A	S	S	UNKNOWN
R6710-1201			UR	UR						D					N/A	S	S	UNKNOWN
R6807-1001	0300		UR	KAPU	UR	J									100	S	S	UNKNOWN
R6901-1406	2014		UR	KAIS	UR										176	S	S	UNKNOWN
R6904-2104	1556		UR	KAPU	UR	A									87	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6805-1201	1215	AG 07.644	UR	UR		G	O								171	S	S	INST. OF EXP. MET.
R6509-2003	0327	GEO PHYSICAL	UR	UR		E				D					N/A	S	S	UNKNOWN
R6510-0102	0357	GEO PHYSICAL	UR	UR		B				F					N/A	S	S	UNKNOWN
R6510-1002	0715	GEO PHYSICAL	UR	UR		B				F					N/A	S	S	UNKNOWN
R6807-0901	1700	M-100	UR	UR		J									92	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6808-1403	1600	M-100	UR	UR		J									93	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6808-2201	1600	M-100	UR	UR		J									90	F	S	HYDROMETEOROLOG- ICAL SERVICE
R6808-2302	1700	M-100	UR	UR		J									92	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6809-0101	1600	M-100	UR	UR		J									91	F	S	HYDROMETEOROLOG- ICAL SERVICE
R6809-0102	1900	M-100	UR	UR		J									90	F	S	HYDROMETEOROLOG- ICAL SERVICE
R6809-1201	2000	M-100	UR	UR		J									90	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6809-1802	1700	M-100	UR	UR		J									93	F	S	HYDROMETEOROLOG- ICAL SERVICE
R6809-2103	1600	M-100	UR	UR		J									94	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6809-2104	1600	M-100	UR	UR		J									96	F	F	HYDROMETEOROLOG- ICAL SERVICE

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

02/02/72

NSSCC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS		PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0	R		E		
R6905-2503	0200	M-100	UR	MOLO AX	J											87	S	F	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6905-2804	0200	M-100	UR	MOLO AX	J											90	S	F	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6905-3101	0200	M-100	UR	MOLO AX	J											89	S	F	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6906-0404	0200	M-100	UR	MOLO AX	J											90	S	F	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6906-1105	0200	M-100	UR	MOLO AX	J											88	S	F	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6909-0303	0200	M-100	UR	MOLO AX	J											90	S	F	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6910-0103	0900	M-100	UR	KAIS UR	J											92	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6910-0201	1401	M-100	UR	KAPU UR	J											91	S	F	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6910-0302	0E41	M-100	UR	KAIS UR	J											92	S	F	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6910-0801	0900	M-100	UR	KAIS UR	J											90	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6910-0802	0405	M-100	UR	KAPU UR	J											86	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6910-0803	0200	M-100	UR	MOLO AX	J											87	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6910-1104	2000	M-100	UR	UR	J											87	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6910-1105	2154	M-100	UR	UR	J											88	S	F	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6910-1201	1950	M-100	UR	UR	J											88	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6910-1202	2144	M-100	UR	UR	J											87	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6910-1301	1955	M-100	UR	UR	J											87	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6910-1302	2155	M-100	UR	UR	J											87	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6910-1404	2145	M-100	UR	UR	J											87	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6910-1501	1957	M-100	UR	UR	J											89	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6910-1503	2145	M-100	UR	UR	J											93	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6910-1504	0900	M-100	UR	KAIS UR	J											92	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6910-1505	0200	M-100	UR	MOLO AX	J											87	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6910-1602	1002	M-100	UR	KAPU UR	J											91	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6910-1603	0200	M-100	UR	MOLO AX	J											88	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

02/02/72

NSSCC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0					
R6910-1803	2136	M-100	UR	UR	J											88	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6910-1804	2236	M-100	UR	UR	J											87	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6910-1901	1906	M-100	UR	UR	J											91	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6910-1902	2200	M-100	UR	UR	J											83	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6910-2001	1920	M-100	UR	UR	J											95	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6910-2002	2217	M-100	UR	UR	J											94	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6910-2102	0549	M-100	UR	UR	J											86	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6910-2103	1654	M-100	UR	UR	J											88	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6910-2104	2058	M-100	UR	UR	J											88	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6910-2201	0500	M-100	UR	KAIS UR	J											90	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6910-2205	0300	M-100	UR	WOLD AX	J											96	S	F	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6910-2903	0207	M-100	UR	WOLD AX	J											90	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6911-0502	0500	M-100	UR	KAIS UR	J											90	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6911-0505	0207	M-100	UP	WOLD AX	J											90	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6911-1201	0500	M-100	UR	KAIS UR	J											89	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6911-1202	0219	M-100	UR	WOLD AX	J											90	S	F	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6911-1902	0903	M-100	UR	KAIS UR	J											92	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6911-1903	0155	M-100	UR	WOLD AX	J											90	S	F	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6911-2603	0500	M-100	UR	KAIS UR	J											92	F	F	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6911-2604	0155	M-100	UR	WOLD AX	J											91	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6911-2703	1003	M-100	UR	KAPU UR	J											88	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6912-1006	0155	M-100	UR	WOLD AX	J											87	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6912-1102	1001	M-100	UR	KAPU UR	J											92	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6912-1704	0515	M-100	UR	KAIS UR	J											92	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6912-1705	0200	M-100	UR	WOLD AX	J											87	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

02/02/72

NSSEC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS										APPROX APOGEE	SUCCESS		PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0		R	E	
R6912-1805	0407	M-100	UR	KAPU UR	J										91	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R6912-2401	0452	M-100	UR	KAPU UR	J										91	S	F	CENTRAL AEROLOG- ICAL OBSERVATORY
R6912-2402	0430	M-100	UR	MOLO AX	J										90	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R6912-2901	1710	M-100	UR	KAIS UR	J										93	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R6912-3102	0900	M-100	UR	KAIS UR	J										93	S	F	CENTRAL AEROLOG- ICAL OBSERVATORY
R6912-3103	0200	M-100	UR	MOLO AX	J										96	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7001-0601	2200	M-100	UR	UR	J										91	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7001-0702	0200	M-100	UR	MOLO AX	J										93	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7001-0703	0001	M-100	UR	UR	J										93	S	F	CENTRAL AEROLOG- ICAL OBSERVATORY
R7001-0704	2029	M-100	UR	UR	J										89	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7001-0705	2218	M-100	UR	UR	J										87	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7001-0801	2034	M-100	UR	UR	J										86	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7001-0802	2239	M-100	UR	UR	J										N/A	S	F	CENTRAL AEROLOG- ICAL OBSERVATORY
R7001-0903	2020	M-100	UR	UR	J										92	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7001-0904	2200	M-100	UR	UR	J										87	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7001-1001	2000	M-100	UR	UR	J										93	S	F	CENTRAL AEROLOG- ICAL OBSERVATORY
R7001-1101	2000	M-100	UR	UR	J										87	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7001-1416	0917	M-100	UR	KAIS UR	J										91	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7001-1417	1035	M-100	UR	KAIS UR	J										91	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7001-1418	0417	M-100	UR	KAPU UR	J										94	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7001-1419	0200	M-100	UR	MOLO AX	J										N/A	S	F	CENTRAL AEROLOG- ICAL OBSERVATORY
R7001-1704	2000	M-100	UR	UR	J										88	S	F	CENTRAL AEROLOG- ICAL OBSERVATORY
R7001-1705	2238	M-100	UR	UR	J										N/A	S	F	CENTRAL AEROLOG- ICAL OBSERVATORY
R7001-1801	2003	M-100	UR	UR	J										81	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7001-1802	2200	M-100	UR	UR	J										86	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

02/02/72

NSSCC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS										APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0				
R7001-1902	2000	M-100	UR	UR	J										90	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7001-1903	2200	M-100	UR	UR	J										84	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7001-2001	2049	M-100	UR	UR	J										87	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7001-2002	2237	M-100	UR	UR	J										86	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7001-2003	1920	M-100	UR	UR	J										87	S	F	CENTRAL AEROLOG- ICAL OBSERVATORY
R7001-2109	0200	M-100	UR	MOLO AX	J										94	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7001-2110	2115	M-100	UR	UR	J										88	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7001-2504	0900	M-100	UR	KAIS UR	J										89	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7001-2802	0900	M-100	UR	KAIS UR	J										89	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7001-2803	1015	M-100	UR	KAIS UR	J										91	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7001-2804	0200	M-100	UR	MOLO AX	J										93	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7001-3003	0900	M-100	UR	KAIS UR	J										92	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7002-0101	0900	M-100	UR	KAIS UR	J										94	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7002-0404	0900	M-100	UR	KAIS UR	J										90	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7002-0405	0900	M-100	UR	KAIS UR	J										90	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7002-0406	0200	M-100	UR	MOLO AX	J										88	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7002-0407	2001	M-100	UR	UR	J										87	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7002-0408	2201	M-100	UR	UR	J										87	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7002-0503	1005	M-100	UR	KAPU UR	J										88	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7002-0504	2045	M-100	UR	UR	J										83	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7002-0603	0123	M-100	UR	UR	J										86	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7002-0604	2001	M-100	UR	UR	J										87	S	F	CENTRAL AEROLOG- ICAL OBSERVATORY
R7002-0605	2200	M-100	UR	UR	J										86	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7002-0606	0919	M-100	UR	KAIS UR	J										91	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7002-0703	2050	M-100	UR	UR	J										89	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

02/02/72

NSSCC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS										APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0				
R7002-0704	2232	M-100	UR	UR	J										91	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7002-0801	0900	M-100	UR	KAIS UR	J										91	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7002-1102	0900	M-100	UR	KAIS UR	J										91	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7002-1103	0441	M-100	UR	KAPU UR	J										93	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7002-1104	0210	M-100	UR	MCLO AX	J										89	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7002-1105	2200	M-100	UR	UR	J										88			CENTRAL AEROLOG- ICAL OBSERVATORY
R7002-1106	1010	M-100	UR	KAIS UR	J										90	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7002-1201	2000	M-100	UR	UR	J										90			CENTRAL AEROLOG- ICAL OBSERVATORY
R7002-1301	2000	M-100	UR	UR	J										90			CENTRAL AEROLOG- ICAL OBSERVATORY
R7002-1302	2200	M-100	UR	UR	J										93			CENTRAL AEROLOG- ICAL OBSERVATORY
R7002-1405	0910	M-100	UR	KAIS UR	J										91	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7002-1406	2000	M-100	UR	UR	J										90			CENTRAL AEROLOG- ICAL OBSERVATORY
R7002-1407	2200	M-100	UR	UR	J										90			CENTRAL AEROLOG- ICAL OBSERVATORY
R7002-1601	0900	M-100	UR	KAIS UR	J										93	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7002-1701	2043	M-100	UR	UR	J										83	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7002-1702	2245	M-100	UR	UR	J										90	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7002-1803	0900	M-100	UR	KAIS UR	J										89	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7002-1804	0418	M-100	UR	KAPU UR	J										93	S	F	CENTRAL AEROLOG- ICAL OBSERVATORY
R7002-1805	0200	M-100	UR	MCLO AX	J										94	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7002-1806	2017	M-100	UR	UR	J										87	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7002-1807	2218	M-100	UR	UR	J										88	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7002-2102	0900	M-100	UR	KAIS UR	J										93	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7002-2502	1230	M-100	UR	KAIS UR	J										89	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7002-2503	0210	M-100	UR	MCLO AX	J										90	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7002-2505	0210	M-100	UR	MCLO UR	J										90	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

02/02/72

NSSCC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS										APPROX APOGEE	SUCCESS		PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0		R	E	
R7002-2602	0900	M-100	UR	KAPU UR	J										94	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7002-2802	1510	M-100	UR	KAIS UR	J										93	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7003-0403	0900	M-100	UR	KAIS UR	J										90	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7003-0404	0315	M-100	UR	MCLO AX	J										N/A	S	F	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7003-0502	1030	M-100	UR	KAPU UR	J										88	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7003-0735	0900	M-100	UR	KAIS UR	J										88	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7003-0806	2010	M-100	UR	UR	J										N/A	S	F	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7003-0807	2211	M-100	UR	UR	J										N/A	S	F	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7003-1001	2034	M-100	UR	UR	J										96	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7003-1002	2242	M-100	UR	UR	J										94	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7003-1104	0900	M-100	UR	KAIS UR	J										93	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7003-1105	0200	M-100	UR	MCLO AX	J										95	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7003-1106	1954	M-100	UR	UR	J										94	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7003-1107	2144	M-100	UR	UR	J										96	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7003-1201	1001	M-100	UR	KAPU UR	J										94	S	F	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7003-1202	2025	M-100	UR	UR	J										94	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7003-1203	2154	M-100	UR	UR	J										91	S	F	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7003-1301	2013	M-100	UR	UR	J										92	S	F	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7003-1302	2134	M-100	UR	UR	J										90	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7003-1803	0200	M-100	UR	MCLO AX	J										N/A	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7003-1804	0900	M-100	UR	KAIS UR	J										89	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7003-1905	0405	M-100	UR	KAPU UR	J										84	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7003-2101	0900	M-100	UR	KAIS UR	J										96	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7003-2401	1923	M-100	UR	UR	J										94	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7003-2403	2132	M-100	UR	UR	J										93	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

02/02/72

NSSCC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS										APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0				
R7003-2502	0900	M-100	UR	KAIS UR	J										96	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7003-2503	2100	M-100	UR	KAPU UR	J										91	S	F	CENTRAL AEROLOG- ICAL OBSERVATORY
R7003-2504	0200	M-100	UR	MCLO AX	J										90	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7003-2505	1947	M-100	UR	UR	J										N/A	S	F	CENTRAL AEROLOG- ICAL OBSERVATORY
R7003-2506	2059	M-100	UR	UR	J										94	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7003-2604	2032	M-100	UR	UR	J										91	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7003-2605	2120	M-100	UR	UR	J										90	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7003-2803	0900	M-100	UR	KAIS UR	J										94	S	F	CENTRAL AEROLOG- ICAL OBSERVATORY
R7003-2901	1953	M-100	UR	UR	J										89	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7003-2902	2137	M-100	UR	UR	J										92	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7003-3001	1956	M-100	UR	UR	J										93	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7004-0101	0900	M-100	UR	KAIS UR	J										92	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7004-0102	0501	M-100	UR	KAPU UR	J										86	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7004-0103	0200	M-100	UR	MCLO AX	J										93	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7004-0403	0900	M-100	UR	KAIS UR	J										92	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7004-0501	1954	M-100	UR	UR	J										95	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7004-0502	2145	M-100	UR	UR	J										88	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7004-0702	1931	M-100	UR	UR	J										91	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7004-0801	0900	M-100	UR	KAIS UR	J										93	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7004-0802	1940	M-100	UR	UR	J										92	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7004-0803	2130	M-100	UR	UR	J										92	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7004-0901	1949	M-100	UR	UR	J										94	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7004-0902	2110	M-100	UR	UR	J										95	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7004-1001	1931	M-100	UR	UR	J										94	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7004-1104	0900	M-100	UR	KAIS UR	J										92	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

02/02/72

NSSCC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS										APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0				
R7004-1302	2000	M-100	UR	UR	J										93	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7004-1404	2000	M-100	UR	UR	J										87	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7004-1504	0911	M-100	UR	KAIS UR	J										92	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7004-1505	1925	M-100	UR	UR	J										92	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7004-1506	2126	M-100	UR	UR	J										95	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7004-1507	0205	M-100	UR	MCLO AX	J										96	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7004-1608	1950	M-100	UR	UR	J										96	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7004-1609	2128	M-100	UR	UR	J										95	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7004-1610	0802	M-100	UR	KAPU UR	J										89	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7004-1702	1940	M-100	UR	UR	J										92	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7004-1703	2127	M-100	UR	UR	J										93	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7004-1801	1917	M-100	UR	UR	J										94	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7004-1802	2133	M-100	UR	UR	J										94	S	F	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7004-2202	1050	M-100	UR	KAIS UR	J										91	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7004-2701	0501	M-100	UR	KAPU UR	J										87	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7004-2901	0900	M-100	UR	KAIS UR	J										92	S	F	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7004-2902	0205	M-100	UR	MCLO AX	J										88	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7005-0602	0900	M-100	UR	KAIS UR	J										91	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7005-0603	0200	M-100	UR	MCLO AX	J										95	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7005-1302	0900	M-100	UR	KAIS UR	J										93	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7005-1303	0150	M-100	UR	MCLO AX	J										91	S	F	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7005-1402	0901	M-100	UR	KAPU UR	J										90	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7005-1403	1032	M-100	UR	KAPU UR	J										90	S	F	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7005-2001	0900	M-100	UR	KAIS UR	J										92	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7005-2002	0150	M-100	UR	MCLO AX	J										96	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY

SPECIAL PACKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

02/02/72

NSSDC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0					
R7005-2104	0731	M-100	UR	KAPU UR	J											84	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7005-2105	0901	M-100	UR	KAPU UR	J											90	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7005-2701	0900	M-100	UR	KAIS UR	J											94	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7005-2702	0205	M-100	UR	WOLC UR	J											97	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7006-0401	1001	M-100	UR	KAPU UR	J											95	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7006-1001	0900	M-100	UR	KAIS UR	J											87	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7006-1002	0210	M-100	UR	WOLC AX	J											95	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7006-1201	0359	M-100	UR	KAPU UR	J											93	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7006-1702	0900	M-100	UR	KAIS UR	J											89	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7006-1703	2300	M-100	UR	KAPU UR	J											91	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7006-1704	0200	M-100	UR	WOLC AX	J											94	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7006-1803	2000	M-100	UR	UR	J											91	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7006-2001	2000	M-100	UR	UR	J											90	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7006-2101	2100	M-100	UR	UR	J											91	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7006-2402	0905	M-100	UR	KAIS UR	J											90	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7007-0102	0205	M-100	UR	WOLC AX	J											95	S	S	INST OF EXPERI- MENTAL METEOROLOGY
R7007-0103	0900	M-100	UR	KAIS UR	J											90	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7007-0105	2010	M-100	UR	UR	J											89	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7007-0106	2200	M-100	UR	UR	J											92	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7007-0501	2005	M-100	UR	UR	J											88	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7007-0604	2015	M-100	UR	UR	J											94	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7007-0605	1824	M-100	UR	KAPU UR	J											84	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7007-0702	0005	M-100	UR	KAPU UR	J											86	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7007-0802	0900	M-100	UR	KAIS UR	J											91	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R7007-0803	1900	M-100	UR	KAIS UR	J											93	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

02/02/72

NSSCC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS										APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0				
R7007-0804	1956	M-100	UR	UR	J										N/A	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7007-0805	0005	M-100	UR	KAPU UR	J										86	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7007-1002	1830	M-100	UR	UR	J										N/A	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7007-1301	2000	M-100	UR	UR	J										86	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7007-1302	2230	M-100	UR	UR	J										92	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7007-1503	0900	M-100	UR	KAIS UR	J										93	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7007-1504	0720	M-100	UR	MOLO AX	J										93	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7007-1505	1800	M-100	UR	UR	J										95	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7007-1506	2000	M-100	UR	UR	J										93	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7007-1701	2024	M-100	UR	UR	J										N/A	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7007-1702	2222	M-100	UR	UR	J										86	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7007-1801	2015	M-100	UR	UR	J										90	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7007-1802	2205	M-100	UR	UR	J										89	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7007-2001	2000	M-100	UR	UR	J										91	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7007-2002	2150	M-100	UR	UR	J										91	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7007-2101	2000	M-100	UR	UR	J										92	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7007-2201	0900	M-100	UR	KAIS UR	J										89	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7007-2202	2054	M-100	UR	KAIS UR	J										89	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7007-2203	1335	M-100	UR	MOLO AX	J										95	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7007-2901	0900	M-100	UR	KAIS UR	J										89	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7007-2902	0155	M-100	UR	MOLO AX	J										91	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7008-0503	1700	M-100	UR	KAIS UR	J										89	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7008-0504	0220	M-100	UR	MOLO AX	J										91	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7008-0801	0900	M-100	UR	KAIS UR	J										91	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7008-1203	0900	M-100	UR	KAIS UR	J										91	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

02/02/72

NSSDC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS		PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0	R		E		
R7008-1204	0200	M-100	UR	WOLD AX	J											93	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7008-1302	0602	M-100	UR	KAPU UR	J											85	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7008-1902	0150	M-100	UR	WOLD XA	J											93	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7008-1903	0900	M-100	UR	KAIS UR	J											92	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7008-2001	1100	M-100	UR	KAPU UR	J											90	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7008-2203	0900	M-100	UR	KAIS UR	J											91	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7008-2601	0500	M-100	UR	KAIS UR	J											91	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7008-2602	0155	M-100	UR	WOLD XA	J											95	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7008-2701	0900	M-100	UR	KAIS UR	J											92	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7008-2702	1002	M-100	UR	KAPU UR	J											93	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7009-0204	1335	M-100	UR	WOLD XA	J											92	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7009-0205	0900	M-100	UR	KAIS UR	J											92	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7009-0302	0501	M-100	UR	KAPU UR	J											93	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7009-0901	0200	M-100	UR	WOLD XA	J											93	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7009-0904	0900	M-100	UR	KAIS UR	J											90	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7009-1001	1002	M-100	UR	KAPU UR	J											91	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7009-1501	1000	M-100	UR	KAPU UR	J											90	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7009-1601	0205	M-100	UR	WOLD XA	J											98	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7009-2301	0900	M-100	UR	KAIS UR	J											93	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7009-3001	0905	M-100	UR	KAIS UR	J											94	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7009-3002	0155	M-100	UR	WOLD XA	J											97	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7009-3003	1910	M-100	UR	KAPU UR	J											89	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7010-0702	0400	M-100	UR	VOLG UR	J											96	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7010-0703	0150	M-100	UR	WOLD XA	J											93	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7010-1402	0955	M-100	UR	KAIS UR	J											91	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

02/02/72

NSSDC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS		PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0	R	E			
R7010-1403	0200	M-100	UR	MOLO XA	J										96	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY	
R7010-1404	0403	M-100	UR	KAPU UR	J										90	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY	
R7010-2101	0400	M-100	UR	KAPU UR	J										91	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY	
R7010-2102	0910	M-100	UR	KAIS UR	J										92	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY	
R7010-2103	0215	M-100	UR	MOLO XA	J										97	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY	
R7010-2802	0200	M-100	UR	MOLO XA	J										96	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY	
R7010-2803	1900	M-100	UR	UR	J										92	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY	
R7010-2804	0900	M-100	UR	KAIS UR	J										95	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY	
R7011-0101	2200	M-100	UR	UR	J										96	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY	
R7011-0401	0401	M-100	UR	KAPU UR	J										92	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY	
R7011-0402	0920	M-100	UR	KAIS UR	J										91	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY	
R7011-0403	0200	M-100	UR	MOLO XA	J										93	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY	
R7011-0602	1600	M-100	UR	UR	J										94	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY	
R7011-0701	0100	M-100	UR	UR	J										96	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY	
R7011-1101	0900	M-100	UR	KAIS UR	J										95	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY	
R7011-1201	0901	M-100	UR	KAPU UR	J										90	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY	
R7011-1401	1500	M-100	UR	UR	J										93	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY	
R7011-1701	1500	M-100	UR	UR	J										90	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY	
R7011-1801	0900	M-100	UR	KAIS UR	J										84	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY	
R7011-1802	0320	M-100	UR	MOLO XA	J										94	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY	
R7011-1803	1500	M-100	UR	UR	J										90	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY	
R7011-1901	1500	M-100	UR	UR	J										91	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY	
R7011-2007	0401	M-100	UR	KAPU UR	J										93	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY	
R7011-2008	1600	M-100	UR	UR	J										87	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY	
R7011-2009	0600	M-100	UR	UR	J										91	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY	

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

02/02/72

NSSC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS										APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0				
R7011-2101	1500	M-100	UR	UR	J										91	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7011-2201	0000	M-100	UR	UR	J										94	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7011-2301	1500	M-100	UR	UR	J										88	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7011-2302	0100	M-100	UR	UR	J										96	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7011-2402	1500	M-100	UR	UR	J										90	S	F	CENTRAL AEROLOG- ICAL OBSERVATORY
R7011-2403	1900	M-100	UR	UR	J										95	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7011-2601	0801	M-100	UR	KAPU UR	J										87	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7011-2602	1700	M-100	UR	UR	J										93	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7011-2701	0525	M-100	UR	KAPU UR	J										86	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7011-2901	1500	M-100	UR	UR	J										87	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7011-3001	0300	M-100	UR	UR	J										92	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-0202	0900	M-100	UR	KAIS UR	J										96	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-0203	1500	M-100	UR	UR	J										93	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-0204	2100	M-100	UR	UR	J										92	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-0301	0703	M-100	UR	KAPU UR	J										90	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-0302	1000	M-100	UR	UR	J										87	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-0501	1900	M-100	UR	UR	J										93	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-0603	1000	M-100	UR	UR	J										92	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-0702	1600	M-100	UR	UR	J										91	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-0801	1500	M-100	UR	UR	J										90	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-0902	0900	M-100	UR	KAIS UR	J										92	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-0903	0200	M-100	UR	MCLO XA	J										95	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-0904	1000	M-100	UR	UR	J										90	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-1101	0341	M-100	UR	KAPU UR	J										90	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-1102	1000	M-100	UR	UR	J										90	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

02/02/72

NSSDC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0					
R7012-1301	1500	M-100	UR	UR	J											88	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-1402	1500	M-100	UR	UR	J											85	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-1403	1400	M-100	UR	UR	J											91	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-1602	0900	M-100	UR	KAIS UR	J											90	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-1603	0200	M-100	UR	MCLO XA	J											93	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-1604	1500	M-100	UR	UR	J											94	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-1701	1800	M-100	UR	UR	J											92	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-1901	1400	M-100	UR	UR	J											92	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-2201	0332	M-100	UR	KAPU UR	J											92	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-2202	0700	M-100	UR	UR	J											92	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-2302	0900	M-100	UR	KAIS UR	J											92	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-2303	0200	M-100	UR	MCLO XA	J											93	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-2304	1400	M-100	UR	UR	J											91	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-2401	1103	M-100	UR	KAPU UR	J											90	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-2601	1500	M-100	UR	UR	J											94	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-2701	1400	M-100	UR	UR	J											88	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-2801	1400	M-100	UR	UR	J											89	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-2802	2000	M-100	UR	UR	J											94	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-2901	1100	M-100	UR	UR	J											92	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-3002	0431	M-100	UR	KAPU UR	J											90	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-3003	0655	M-100	UR	KAIS UR	J											93	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-3004	0200	M-100	UR	MCLO XA	J											91	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-3005	1500	M-100	UR	UR	J											94	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-3101	0700	M-100	UR	UR	J											91	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R6509-0302	1630	MP-12	UR	VOLG UR	V											165	S	S	INST OF EXPERI- MENTAL METEOROLOGY

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

02/02/72

NSSDC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS		PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0	R		E		
R6509-0903	0415	MP-12	UR	KAPU UR	V											165	S	S	INST OF EXPERI- MENTALMETEROLOGY
R6509-1704	1900	MP-12	UR	KAPU UR	V											165	S	S	INST OF EXPERI- MENTALMETEROLOGY
R6510-2604	1203	MP-12	UR	KAPU UR	V D											170	S	S	INST OF EXPERI- MENTALMETEROLOGY
R6609-2403	1547	MP-12	UR	KAIS UR	B											144	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
					C														
					F														
R6609-3003	0907	MP-12	UR	KAIS UR	B											174	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
					C														
					F														
R6610-0105	0907	MP-12	UR	KAIS UR	G											174	S	S	UNKNOWN
R6610-2007	1238	MP-12	UR	KAIS UR	B											186	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
					C														
					F														
R6610-2601	1416	MP-12	UR	KAIS UR	B											176	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
					C														
					F														
R6611-0401	1516	MP-12	UR	KAIS UR	B											164	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
					C														
					F														
R6611-2301	2144	MP-12	UR	KAIS UR	B											165	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
					C														
					F														
R6612-0101	2040	MP-12	UR	KAIS UR	B											168	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
					C														
					F														
R6612-0602	0839	MP-12	UR	KAPU UR	G											167	S	S	INST OF EXPERI- MENTALMETEROLOGY
R6612-1203	1739	MP-12	UR	KAPU UR	G D											160	S	S	INST OF EXPERI- MENTALMETEROLOGY
R6612-2001	1600	MP-12	UR	KAPU UR	G O											178	S	S	INST OF EXPERI- MENTALMETEROLOGY
R6612-2101	1230	MP-12	UR	KAPU UR	B											166	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
					F														
					C														
R6612-2102	1230	MP-12	UR	VOLG UR						F						167	S	S	INST OF EXPERI- MENTALMETEROLOGY
R6701-3109	2257	MP-12	UR	KAIS UR	G											172	S	S	UNKNOWN
R6802-2702	0130	MP-12	UR	KAIS UR	A											170	S	S	UNKNOWN
					C														
					D														
R6802-2802	1445	MP-12	UR	KAIS UR	A											168	S	S	UNKNOWN
					C														
					D														
R6802-2901	1715	MP-12	UR	KAIS UR	B											170	S	S	UNKNOWN
R6803-1602	1745	MP-12	UR FR	KAIS UR	Y											174	S	S	UNKNOWN
					V														

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

02/02/72

NSSCC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS										APPROX APOGEE	SUCCESS		PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0		R	E	
R6803-1803	2130	MP-12	UR FR	KAIS UR		Y									174	S	S	UNKNOWN
R6803-1804	2215	MP-12	UR	KAIS UR		V									181	S	S	UNKNOWN
R6803-1901	1824	MP-12	UR FR	KAIS UR		G									176	S	S	UNKNOWN
R6803-1902	1505	MP-12	UR	KAIS UR		B									178	S	S	UNKNOWN
R6803-2003	2030	MP-12	UR FR	KAIS UR		C									174	S	S	UNKNOWN
R6803-2004	2109	MP-12	UR	KAIS UR		Y									182	S	S	UNKNOWN
R6803-2005	2136	MP-12	UR	KAIS UR		V									175	S	S	UNKNOWN
R6803-2202	0057	MP-12	UR	KAIS UR		G									176	S	S	UNKNOWN
R6803-2302	2025	MP-12	UR	KAIS UR		C									182	S	S	UNKNOWN
R6803-2503	0510	MP-12	UR	KAIS UR		G	D								180	S	S	UNKNOWN
R6803-2505	1920	MP-12	UR	KAIS UR		G	D								181	S	S	UNKNOWN
R6803-2506	2240	MP-12	UR	KAPU UR		B									175	S	S	UNKNOWN
R6803-2702	1150	MP-12	UR	KAPU UR		C									179	S	S	UNKNOWN
R6803-3001	0800	MP-12	UR	KAPU UR		F									170	S	S	UNKNOWN
R6803-3002	1430	MP-12	UR	KAPU UR		E									176	S	S	UNKNOWN
R6805-0902	0730	MP-12	UR	UR		V									162	S	S	INST. OF EXP. MET.
R6805-1101	0100	MP-12	UR	UR		G	D								167	S	S	INST. OF EXP. MET.
R6805-1102	1200	MP-12	UR	UR		G	D								167	S	S	INST. OF EXP. MET.
R6805-1203	1315	MP-12	UR	UR		G	D								171	S	S	UNKNOWN
R6805-1601	1833	MP-12	UR	UR		G									168	S	S	INST. OF EXP. MET.
R6805-1704	1625	MP-12	UR	UR		G									159	S	S	INST OF EXPERI- MENTALMETEROLOGY
R6805-1801	1605	MP-12	UR	UR		G									167	S	S	INST OF EXPERI- MENTALMETEROLOGY
R6805-2101	1400	MP-12	UR	UR		G	D								174	S	S	INST. OF EXP. MET.
R6805-2102	2009	MP-12	UR	UR		G									167	S	S	INST. OF EXP. MET.
R6805-2201	0050	MP-12	UR	UR		G	D								169	S	S	INST. OF EXP. MET.
R6805-3001	1332	MP-12	UR	KAPU UR		Y									172	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R6805-3002	2100	MP-12	UR	KAPU UR		B									168	S	S	INST OF EXPERI- MENTALMETEROLOGY
R6806-0601	1331	MP-12	UR	KAPU UR		Y	D								174	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R6806-0602	1800	MP-12	UR	KAPU UR		Y		D							171	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R6806-1401	1455	MP-12	UR	KAPU UR		G		B							169	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

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NSSDC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0					
R6806-2601	0430	MP-12	UR	KAPU UR	Y											173	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6806-2602	0921	MP-12	UR	KAPU UR	Y											168	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6806-2801	0437	MP-12	UR	KAPU UR	Y											174	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6807-0301		MP-12	UR	KAPU UR	G	B										179	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6807-1602	1740	MP-12	UR	KAPU UR	V											146	S	S	INST. OF EXP. MET.
R6807-1901	1700	MP-12	UR	KAPU UR	V											148	S	S	INST. OF EXP. MET.
R6807-2501	1730	MP-12	UR	KAPU UR	V											145	S	S	INST. OF EXP. MET.
R6807-2601	0000	MP-12	UR	KAPU UR	V											147	S	S	INST. OF EXP. MET.
R6807-2703	1726	MP-12	UR	KAPU UR	V											N/A	S	S	INST. OF EXP. MET.
R6807-3101	1300	MP-12	UR	KAPU UR			B									178	S	S	INST. OF EXP. MET.
R6807-3102	1854	MP-12	UR	VOLG UR			B									173	S	S	INST. OF EXP. MET.
R6808-0102	0000	MP-12	UR	KAPU UR	G											168	S	S	UNKNOWN
R6808-0103	0200	MP-12	UR	KAPU UR			X	X								176	S	S	UNKNOWN
R6808-0104	0000	MP-12	UR	KAPU UR	G											168	S	S	UNKNOWN
R6809-1302	1658	MP-12	UR	KAPU UR	V											155	S	S	INST. OF EXP. MET.
R6809-2001	1630	MP-12	UR	KAPU UR	V											155	S	S	INST. OF EXP. MET.
R6809-2501	2202	MP-12	UR	KAPU UR	G											180	S	S	INST. OF EXP. MET.
R6810-0201	0217	MP-12	UR	KAPU UR	G											174	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6810-0803	0226	MP-12	UR	KAPU UR	V											125	S	S	INST. OF EXP. MET.
R6810-0902	0332	MP-12	UR	KAPU UR	V											130	S	S	INST. OF EXP. MET.
R6810-0903	0806	MP-12	UR	KAIS UR	G											173	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6810-1604	0802	MP-12	UR	KAPU UR	V											171	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6810-2201	1002	MP-12	UR	KAPU UR	G											164	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6810-2202	0803	MP-12	UR	KAPU UR	V											168	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6810-2501	1004	MP-12	UR	KAPU UR	G											173	S	F	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6810-2701	1003	MP-12	UR	KAPU UR	G											168	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6810-3001	0806	MP-12	UR	KAIS UR	G											171	S	S	CENTRAL AEROCLOG- ICAL OBSERVATORY
R6901-0201	0250	MP-12	UR	UR	A											89	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-0202	0942	MP-12	UR	UR	A											88	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-0203	1640	MP-12	UR	UR	A											93	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-0204	2205	MP-12	UR	UR	A											92	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-0205	1645	MP-12	UR	UR	A											91	S	S	HYDROMETEOROLOG- ICAL SERVICE

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

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NSSCC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0					
R6901-0301	0000	MP-12	UR	UR		A										91	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-0703	1001	MP-12	UR	KAPU UR		A										94	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-0704	0252	MP-12	UR	UR		A										90	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-0705	0550	MP-12	UR	UR		A										91	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-0706	2147	MP-12	UR	UR		A										90	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-0707	0300	MP-12	UR	UR		A										94	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-0708	1000	MP-12	UR	UR		A										90	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-0805	0900	MP-12	UR	KAIS UR		A										94	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-1103	0251	MP-12	UR	UR		A										91	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-1104	0945	MP-12	UR	UR		A										94	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-1105	1556	MP-12	UR	UR		A										93	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-1106	2145	MP-12	UR	UR		A										91	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-1107	1000	MP-12	UR	UR		A										92	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-1108	1630	MP-12	UR	UR		A										92	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-1109	2200	MP-12	UR	UR		A										89	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-1302	0900	MP-12	UR	KAIS UR		A										88	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-1405	2014	MP-12	UR	KAIS UR				G		D						175	S	S	UNKNOWN
R6901-1501	0928	MP-12	UR	KAIS UR		A										90	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-1502	0808	MP-12	UR	KAPU UR		A										90	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-1601	0900	MP-12	UR	KAIS UR		A										91	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-1704	0905	MP-12	UR	KAIS UR		A										91	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-1802	0900	MP-12	UR	KAIS UR		A										92	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-1907	0900	MP-12	UR	KAIS UR		A										91	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-2102	0803	MP-12	UR	KAPU UR						C						170	S	S	UNKNOWN
R6901-2201	0903	MP-12	UR	KAIS UR		A				E						93	S	S	HYDROMETEOROLOG- ICAL SERVICE

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

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NSSDC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0					
R6901-2303	1202	MP-12	UR	KAPU UR												174	S	S	UNKNOWN
R6901-2304	0900	MP-12	UR	KAIS UR												88	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-2305	0350	MP-12	UR	UR												93	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-2306	0549	MP-12	UR	UR												93	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-2307	2149	MP-12	UR	UR												94	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-2308	0400	MP-12	UR	UR												93	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-2309	1000	MP-12	UR	UR												89	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-2310	1620	MP-12	UR	UR												92	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-2401	0900	MP-12	UR	KAIS UR												94	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-2402	1558	MP-12	UR	UR												87	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-2502	0900	MP-12	UR	KAIS UR												96	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-2603	0900	MP-12	UR	KAIS UR												92	P	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-2702	0543	MP-12	UR	KAIS UR												96	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-2703	0353	MP-12	UR	UR												91	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-2704	0545	MP-12	UR	UR												90	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-2705	1545	MP-12	UR	UR												92	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-2706	2145	MP-12	UR	UR												88	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-2707	0400	MP-12	UR	UR												92	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-2708	1640	MP-12	UR	UR												91	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-2709	2200	MP-12	UR	UR												92	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-2803	0907	MP-12	UR	KAIS UR												94	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-2804	1852	MP-12	UR	UR												92	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-2901	0900	MP-12	UR	KAIS UR												87	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-2902	1002	MP-12	UR	KAPU UR												92	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-3004	0902	MP-12	UR	KAIS UR												90	S	S	HYDROMETEOROLOG- ICAL SERVICE

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

02/02/72

NSSCC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS										APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0				
R6901-3005	1003	MP-12	UR	UR	A										92	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-3006	2004	MP-12	UR	UR	A										91	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-3113	0904	MP-12	UR	KAIS UR	A										87	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6901-3114	1900	MP-12	UR	UR	A										91	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6902-0101	1900	MP-12	UR	UR	A										87	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6902-0201	0900	MP-12	UR	KAIS UR	A										87	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6902-0202	1900	MP-12	UR	UR	A										84	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6902-0203	1805	MP-12	UR	UR	A										91	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6902-0302	2000	MP-12	UR	UR	A										90	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6902-0303	1806	MP-12	UR	UR	A										90	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6902-0403	2000	MP-12	UR	UR	A										98	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6902-0404	1800	MP-12	UR	UR	A										96	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6902-0501	0900	MP-12	UR	KAIS UR	A										90	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6902-0502	0802	MP-12	UR	KAPU UR	A										85	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6902-0503	2000	MP-12	UR	UR	A										90	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6902-0504	1800	MP-12	UR	UR	A										89	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6902-0607	1745	MP-12	UR	UR	A										90	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6902-0608	2000	MP-12	UR	UR	A										95	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6902-0609	1825	MP-12	UR	UR	A										94	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6902-0610	0900	MP-12	UR	KAIS UR	A										87	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6902-0701	0900	MP-12	UR	KAIS UR	A										89	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6902-0702	1720	MP-12	UR	UR	A										86	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6902-0902	2200	MP-12	UR	UR	A										91	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6902-1001	0900	MP-12	UR	KAIS UR	A										89	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6902-1002	2200	MP-12	UR	UR	A										93	S	S	HYDROMETEOROLOG- ICAL SERVICE

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

02/02/72

NSSEC ID	TIME (UT)	AGENCY ID	ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS R	PRINCIPAL EXPERIMENTER(S)
						1	2	3	4	5	6	7	8	9	0				
R6902-1102	2200	MP-12		UR	UR	A										93	S	S HYDROMETEOROLOG- ICAL SERVICE	
R6902-1203	0900	MP-12		UR	KAIS UR	A										90	S	S HYDROMETEOROLOG- ICAL SERVICE	
R6902-1204	1303	MP-12		UR	KAPU UR	A										81	S	S HYDROMETEOROLOG- ICAL SERVICE	
R6902-1408	0900	MP-12		UR	KAIS UR	A										90	S	S HYDROMETEOROLOG- ICAL SERVICE	
R6902-1701	0900	MP-12		UR	KAIS UR	A										85	S	S HYDROMETEOROLOG- ICAL SERVICE	
R6902-1902	0928	MP-12		UR	KAIS UR	A										90	S	S HYDROMETEOROLOG- ICAL SERVICE	
R6902-1903	1348	MP-12		UR	KAPU UR	A										84	S	S HYDROMETEOROLOG- ICAL SERVICE	
R6902-2201	0900	MP-12		UR	KAIS UR	A										94	S	S HYDROMETEOROLOG- ICAL SERVICE	
R6903-0101	0900	MP-12		UR	KAIS UR	A										90	S	S HYDROMETEOROLOG- ICAL SERVICE	
R6903-0501	0900	MP-12		UR	KAIS UR	A										90	S	S HYDROMETEOROLOG- ICAL SERVICE	
R6903-0802	1535	MP-12		UR	KAIS UR	A										173	S	S INST OF EXPERI- MENTALMETEOROLOGY	
R6903-0803	0900	MP-12		UR	KAIS UR	C										88	S	S HYDROMETEOROLOG- ICAL SERVICE	
R6903-0902	1634	MP-12		UR	KAIS UR	A										172	S	S INST OF EXPERI- MENTALMETEOROLOGY	
R6903-1003	1610	MP-12		UR	KAIS UR	C										168	S	S INST OF EXPERI- MENTALMETEOROLOGY	
R6903-1004	2300	MP-12		UR	KAIS UR	C										175	S	S INST OF EXPERI- MENTALMETEOROLOGY	
R6903-1201	0900	MP-12		UR	KAIS UR	C										91	S	S HYDROMETEOROLOG- ICAL SERVICE	
R6903-1302	1645	MP-12		UR	KAIS UR	A										174	S	S INST OF EXPERI- MENTALMETEOROLOGY	
R6903-1303	2223	MP-12		UR	KAIS UR	C										170	S	S INST OF EXPERI- MENTALMETEOROLOGY	
R6903-1304	1817	MP-12		UR	KAIS UR	C										88	S	S HYDROMETEOROLOG- ICAL SERVICE	
R6903-1305	2133	MP-12		UR	KAIS UR	A										93	S	S HYDROMETEOROLOG- ICAL SERVICE	
R6903-1403	2220	MP-12		UR	KAIS UR	A										161	S	S INST OF EXPERI- MENTALMETEOROLOGY	
R6903-1404	2130	MP-12		UR	KAIS UR	C										93	S	S HYDROMETEOROLOG- ICAL SERVICE	
R6903-1706	1635	MP-12		UR	KAIS UR	A										169	S	S INST OF EXPERI- MENTALMETEOROLOGY	
R6903-1701	2130	MP-12		UR	KAIS UR	C										181	S	S INST OF EXPERI- MENTALMETEOROLOGY	
R6903-1702	0700	MP-12		UR	KAIS UR	A										97	S	S INST OF EXPERI- MENTALMETEOROLOGY	

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

02/02/72

NSSDC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS		PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0	R		E		
R6903-2001	1750	MP-12	UR	KAIS UR	A											169	S	S	INST OF EXPERI- MENTALMETEROLOGY
R6903-2002	1830	MP-12	UR	KAIS UR	B	D										171	S	S	INST OF EXPERI- MENTALMETEROLOGY
R6903-2003	2030	MP-12	UR	KAIS UR	A	D										169	S	S	INST OF EXPERI- MENTALMETEROLOGY
R6903-2102	2006	MP-12	UR	KAIS UR	B														
R6903-2201	0250	MP-12	UR	KAIS UR	C	D										175	S	S	INST OF EXPERI- MENTALMETEROLOGY
R6903-2401	1001	MP-12	UR	KAPU UR	G	D	D									184	S	S	INST OF EXPERI- MENTALMETEROLOGY
R6903-2601	1402	MP-12	UR	KAIS UR	A											89	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6903-2602	1202	MP-12	UR	KAIS UR	G	D	D									178	S	S	INST OF EXPERI- MENTALMETEROLOGY
R6903-2701	1335	MP-12	UR	KAPU UR	A											90	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6903-2702	1530	MP-12	UR	KAPU UR	A											90	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6903-2907	1300	MP-12	UR	KAPU UR	B	D										175	S	S	INST OF EXPERI- MENTALMETEROLOGY
R6904-0103	1930	MP-12	UR	KAIS UR	G											91	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6904-0201	0832	MP-12	UR	KAIS UR	A											92	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6904-0902	0533	MP-12	UR	KAPU UR	B											170	S	S	UNKNOWN
R6904-0903	1003	MP-12	UR	KAPU UR	C														
R6904-1501	1849	MP-12	UR	KAIS UR	F											89	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6904-1602	0800	MP-12	UR	KAIS UR	A											94	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6904-1603	1003	MP-12	UR	KAPU UR	A											90	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6904-1803	1300	MP-12	UR	KAPU UR	A											91	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6904-1804	1520	MP-12	UR	KAPU UR		D										174	S	S	INST OF EXPERI- MENTALMETEROLOGY
R6904-1805	1230	MP-12	UR	KAPU UR												178	S	S	INST OF EXPERI- MENTALMETEROLOGY
R6904-1806	1550	MP-12	UR	KAPU UR	A											87	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6904-1904	1632	MP-12	UR	KAPU UR												88	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6904-1905	1332	MP-12	UR	KAPU UR												174	S	S	INST OF EXPERI- MENTALMETEROLOGY
					A											90	S	S	HYDROMETEOROLOG- ICAL SERVICE

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

02/02/72

NSSCC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0					
R6904-1906	1522	MP-12	UR	KAPU UR		A										81	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6904-2001	1304	MP-12	UR	KAPU UR			D									175	S	S	INST OF EXPERI- MENTALMETEOROLOGY
R6904-2002	1524	MP-12	UR	KAPU UR						E						171	S	S	INST OF EXPERI- MENTALMETEOROLOGY
R6904-2003	1554	MP-12	UR	KAPU UR		A										90	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6904-2101	1306	MP-12	UR	KAPU UR		G	D									173	S	S	INST OF EXPERI- MENTALMETEOROLOGY
R6904-2102	1526	MP-12	UR	KAPU UR						E						176	S	S	INST OF EXPERI- MENTALMETEOROLOGY
R6904-2103	1346	MP-12	UR	KAPU UR		A										89	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6904-2301	1530	MP-12	UR	KAPU UR						E						176	S	S	INST OF EXPERI- MENTALMETEOROLOGY
R6904-2302	1310	MP-12	UR	KAPU UR		F										169	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R6904-2303	0800	MP-12	UR	KAIS UR		A										97	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6904-2304	1210	MP-12	UR	KAPU UR		A										88	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6904-2305	1600	MP-12	UR	KAPU UR		A										88	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6904-2401	0045	MP-12	UR	KAIS UR		A										90	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6904-3001	0200	MP-12	UR	KAIS UR		A										88	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6904-3002	0404	MP-12	UR	KAPU UR		A										88	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6905-6702	0303	MP-12	UR	VOLG UR		A										89	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6905-1402	0200	MP-12	UR	KAIS UR		A										92	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6905-1901	0400	MP-12	UR	UR		A										76	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6905-1902	1600	MP-12	UR	UR		A										80	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6905-1903	2200	MP-12	UR	UR		A										86	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6905-2001	2200	MP-12	UR	UR		A										91	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6905-2101	0203	MP-12	UR	KAIS UR		A										92	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6905-2102	1103	MP-12	UR	KAPU UR		A										86	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6905-2103	1600	MP-12	UR	UR		A										83	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6905-2104	2200	MP-12	UR	UR		A										82	S	S	HYDROMETEOROLOG- ICAL SERVICE

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

02/02/72

NSSC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS										APPROX APOGEE	SUCCESS R	E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0				
R6905-2205	0400	MP-12	UR	UR	A										88	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6905-2206	1000	MP-12	UR	UR	A										88	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6905-2301	2200	MP-12	UR	UR	A										89	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6905-2401	1100	MP-12	UR	UR	A										89	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6905-2402	1600	MP-12	UR	UR	A										92	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6905-2501	0400	MP-12	UR	UR	A										92	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6905-2502	2300	MP-12	UR	UR	A										92	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6905-2601	2200	MP-12	UR	UR	A										92	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6905-2702	1600	MP-12	UR	UR	A										88	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6905-2802	0835	MP-12	UR	KAIS UR	A										91	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6905-2803	1126	MP-12	UR	KAIS UR	A										87	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6905-3002	0302	MP-12	UR	KAPU UR	A										86	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6906-0201	2200	MP-12	UR	UR	A										91	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6906-0301	2200	MP-12	UR	UR	A										91	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6906-0401	0811	MP-12	UR	KAIS UR	A										93	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6906-0402	0400	MP-12	UR	KAPU UR	A										91	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6906-0403	0400	MP-12	UR	UR	A										90	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6906-0601	2200	MP-12	UR	UR	A										92	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6906-0701	0400	MP-12	UR	UR	A										89	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6906-0702	1000	MP-12	UR	UR	A										93	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6906-0703	1600	MP-12	UR	UR	A										92	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6906-0801	2200	MP-12	UR	UR	A										89	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6906-0901	2200	MP-12	UR	UR	A										87	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6906-1001	2214	MP-12	UR	KAPU UR	A										87	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6906-1002	0400	MP-12	UR	UR	A										86	S	S	HYDROMETEOROLOG- ICAL SERVICE

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

02/02/72

NSSDC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS		PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0	R		E		
R6906-1102	1805	MP-12	UR	KAPU UR	F	D										167	S	S	UNKNOWN
R6906-1103	0805	MP-12	UR	KAIS UR	A											90	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6906-1104	2200	MP-12	UR	UR	A											85	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6906-1202	2200	MP-12	UR	UR	A											N/A	P	S	HYDROMETEOROLOG- ICAL SERVICE
R6906-1302	0400	MP-12	UR	UR	A											91	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6906-1303	1600	MP-12	UR	UR	A											86	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6906-1803	0837	MP-12	UR	KAIS UR	A											91	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6906-2002	0315	MP-12	UR	KAPU UR	G											166	S	S	UNKNOWN
R6906-2401	1902	MP-12	UR	KAPU UR	G											170	S	S	UNKNOWN
R6906-2502	0800	MP-12	UR	KAIS UR	A											92	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6906-2503	1001	MP-12	UR	KAPU UR	A											90	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6907-0102	1215	MP-12	UR	KAPU UR	G											141	S	S	INST OF EXPERI- MENTALMETEOROLOGY
R6907-0201	0900	MP-12	UR	KAIS UR	A											94	S	P	HYDROMETEOROLOG- ICAL SERVICE
R6907-0202	1001	MP-12	UR	KAPU UR	A											87	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6907-0301	0329	MP-12	UR	KAPU UR	B C F											165	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R6907-0801	1820	MP-12	UR	KAPU UR	G											148	S	S	INST OF EXPERI- MENTALMETEOROLOGY
R6907-0901	0900	MP-12	UR	KAIS UR	A											90	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6907-0902	1755	MP-12	UR	VOLG UR	V											150	S	S	INST OF EXPERI- MENTALMETEOROLOGY
R6907-1003	0207	MP-12	UR	KAPU UR	G C											162	S	S	INST OF EXPERI- MENTALMETEOROLOGY
R6907-1101	1755	MP-12	UR	KAPU UR	V											148	S	S	INST OF EXPERI- MENTALMETEOROLOGY
R6907-1605	0900	MP-12	UR	KAIS UR	A											92	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6907-1606	1004	MP-12	UR	KAPU UR	A											86	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6907-2302	0903	MP-12	UR	KAIS UR	A											90	S	P	HYDROMETEOROLOG- ICAL SERVICE
R6907-2303	1001	MP-12	UR	KAPU UR	A											88	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6907-2304	2100	MP-12	UR	KAPU UR	A											90	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6907-2403	2355	MP-12	UR	KAPU UR	V											145	S	S	INST OF EXPERI- MENTALMETEOROLOGY

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

02/02/72

NSSEC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS										APPROX APOGEE	SUCCESS R E	PRINCIPAL EXPERIMENTER(S)	
					1	2	3	4	5	6	7	8	9	0				
R6907-2502	0200	MP-12	UR	VOLG	UR	A									89	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6907-2503	0200	MP-12	UR		UR	A									94	S	P	HYDROMETEOROLOG- ICAL SERVICE
R6907-2504	0119	MP-12	UR		UR	G									166	S	S	INST OF EXPERI- MENTALMETEROLOGY
R6907-2505	0130	MP-12	UR	KAPU	UR	G									172	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R6907-2506	2203	MP-12	UR	KAPU	UR	G									170	S	S	CENTRAL AERLOG- ICAL OBSERVATORY
R6907-2507	2350	MP-12	UR	KAPU	UR	V									145	S	S	INST OF EXPERI- MENTALMETEROLOGY
R6907-2701	2147	MP-12	UR		UR	G									168	S	S	INST OF EXPERI- MENTALMETEROLOGY
R6907-2702	2237	MP-12	UR		UR	G									164	S	S	INST OF EXPERI- MENTALMETEROLOGY
R6907-2703	2327	MP-12	UR		UR	G									170	S	S	INST OF EXPERI- MENTALMETEROLOGY
R6907-2802	0017	MP-12	UR		UR	G									167	S	S	INST OF EXPERI- MENTALMETEROLOGY
R6907-3002	0900	MP-12	UR	KAIS	UR	A									90	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6907-3003	0301	MP-12	UR	KAPU	UR	A									91	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6907-3004	0200	MP-12	UR		UR	A									84	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6907-3005	2007	MP-12	UR	KAPU	UR	B C F G									171	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R6908-0301	0325	MP-12	UR		UR	G									164	S	S	INST OF EXPERI- MENTALMETEROLOGY
R6908-0302	0415	MP-12	UR		UR	G									168	S	S	INST OF EXPERI- MENTALMETEROLOGY
R6908-0303	0505	MP-12	UR		UR	G									165	S	S	INST OF EXPERI- MENTALMETEROLOGY
R6908-0304	0551	MP-12	UR		UR	G									169	S	S	INST OF EXPERI- MENTALMETEROLOGY
R6908-0305	0700	MP-12	UR		UR	G									172	S	S	INST OF EXPERI- MENTALMETEROLOGY
R6908-0602	0900	MP-12	UR	KAIS	UR	A									89	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6908-0603	0200	MP-12	UR		UR	A									94	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6908-1303	0200	MP-12	UR		UR	A									91	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6908-2002	0900	MP-12	UR	KAIS	UR	A									90	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6908-2003	0200	MP-12	UR		UR	A									88	S	S	HYDROMETEOROLOG- ICAL SERVICE

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

02/02/72

NSSDC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0					
R6908-2701	1037	MP-12	UR	KAIS UR	A											N/A	S	P	HYDROMETEOROLOG- ICAL SERVICE
R6908-2702	0200	MP-12	UR	UR	A											90	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6909-0301	0900	MP-12	UR	KAIS UR	A											93	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6909-0302	1003	MP-12	UR	KAPU UR	A											93	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6909-1004	0900	MP-12	UR	KAIS UR	A											93	S	P	HYDROMETEOROLOG- ICAL SERVICE
R6909-1005	0200	MP-12	UR	UR	A											91	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6909-1601	1950	MP-12	UR	UR	A											88	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6909-1602	2143	MP-12	UR	UR	A											N/A	S	P	HYDROMETEOROLOG- ICAL SERVICE
R6909-1702	0910	MP-12	UR	KAIS UR	A											98	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6909-1703	1002	MP-12	UR	KAPU UR	A											90	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6909-1704	1950	MP-12	UR	UR	A											90	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6909-1705	2140	MP-12	UR	UR	A											87	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6909-1706	0200	MP-12	UR	UR	A											89	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6909-1801	1145	MP-12	UR	UR	A											89	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6909-1802	2159	MP-12	UR	UR	A											87	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6909-1803	2308	MP-12	UR	UR	A											89	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6909-1902	2010	MP-12	UR	UR	A											88	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6909-1903	2232	MP-12	UR	UR	A											88	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6909-2001	2008	MP-12	UR	UR	A											90	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6909-2402	0920	MP-12	UR	KAIS UR	A											87	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6909-2403	0408	MP-12	UR	KAPU UR	A											89	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6909-2404	0200	MP-12	UR	UR	A											95	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6909-2501	2215	MP-12	UR	UR	A											90	S	P	HYDROMETEOROLOG- ICAL SERVICE
R6909-2601	2005	MP-12	UR	UR	A											89	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6909-2602	2200	MP-12	UR	UR	A											91	S	S	HYDROMETEOROLOG- ICAL SERVICE

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

02/02/72

NSSDC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS										APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0				
R6909-2703	1900	MP-12	UR	UR	A										88	S	P	HYDROMETEOROLOG- ICAL SERVICE
R6909-2801	2003	MP-12	UR	UR	A										89	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6909-2802	2200	MP-12	UR	UR	A										90	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6909-2901	2123	MP-12	UR	UR	A										88	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6909-2902	2231	MP-12	UR	UR	A										89	S	S	HYDROMETEOROLOG- ICAL SERVICE
R6910-1103	1105	MP-12	UR	UR						C					158	S	S	INST OF EXPERI- MENTALMETEOROLOGY
R6910-1403	0822	MP-12	UR	KAPU UR	V										120	S	S	INST OF EXPERI- MENTALMETEOROLOGY
R6910-1703	2209	MP-12	UR	KAPU UR	G										166	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R6910-1801	1147	MP-12	UR	UR						C					160	S	S	INST OF EXPERI- MENTALMETEOROLOGY
R6910-1802	1107	MP-12	UR	UR						C					165	S	S	INST OF EXPERI- MENTALMETEOROLOGY
R6910-2101	1232	MP-12	UR	KAPU UR	G										164	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R6910-2203	0831	MP-12	UR	KAPU UR	V										116	S	S	INST OF EXPERI- MENTALMETEOROLOGY
R6910-2401	1233	MP-12	UR	KAPU UR	G										160	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R6911-0503	1112	MP-12	UR	UR						C					160	S	S	INST OF EXPERI- MENTALMETEOROLOGY
R6911-0504	0811	MP-12	UR	UR						C					162	S	S	INST OF EXPERI- MENTALMETEOROLOGY
R6911-0901	1647	MP-12	UR	UR						C					162	S	S	INST OF EXPERI- MENTALMETEOROLOGY
R6912-1003	0800	MP-12	UR	KAPU UR	G D										165	S	S	INST OF EXPERI- MENTALMETEOROLOGY
R6912-1004	2059	MP-12	UR	UR						C					160	S	S	INST OF EXPERI- MENTALMETEOROLOGY
R6912-1005	2213	MP-12	UR	UR						C					160	S	S	INST OF EXPERI- MENTALMETEOROLOGY
R6912-1603	0800	MP-12	UR	KAPU UR	G D										163	S	S	INST OF EXPERI- MENTALMETEOROLOGY
R6912-1803	0015	MP-12	UR	KAPU UR	G D										166	S	S	INST OF EXPERI- MENTALMETEOROLOGY
R6912-1804	0600	MP-12	UR	KAPU UR	G D										162	S	S	INST OF EXPERI- MENTALMETEOROLOGY
R6912-1901	1115	MP-12	UR	KAPU UR	G D										165	S	S	INST OF EXPERI- MENTALMETEOROLOGY
R6912-1902	0830	MP-12	UR	KAPU UR						C					90	F	F	CENTRAL AEROLOG- ICAL OBSERVATORY

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

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NSSDC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS										APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0				
R7002-1202	0214	MP-12	UR FR	KAIS UR	J										165	S	S	INST OF EXPERI- MENTALMETEROLOGY NATIONAL CENTER FOR SCIENTIFIC RES
R7002-1203	2240	MP-12	UR	KAIS UR	B C										171	S	S	INST OF EXPERI- MENTALMETEROLOGY NATIONAL CENTER FOR SCIENTIFIC RES
R7002-2302	1320	MP-12	UR FR	KAIS UR	G D										163	S	S	INST OF EXPERI- MENTALMETEROLOGY NATIONAL CENTER FOR SCIENTIFIC RES
R7002-2504	0105	MP-12	UR FR	KAIS UR	J										164	S	F	INST OF EXPERI- MENTALMETEROLOGY NATIONAL CENTER FOR SCIENTIFIC RES
R7002-2603	1330	MP-12	UR	KAIS UR	V										N/A	S	S	INST OF EXPERI- MENTALMETEROLOGY NATIONAL CENTER FOR SCIENTIFIC RES
R7002-2604	1415	MP-12	UR	KAIS UR	B C										181	S	S	INST OF EXPERI- MENTALMETEROLOGY NATIONAL CENTER FOR SCIENTIFIC RES
R7002-2803	1351	MP-12	UR	KAIS UR	G D										166	S	S	INST OF EXPERI- MENTALMETEROLOGY NATIONAL CENTER FOR SCIENTIFIC RES
R7002-2804	1436	MP-12	UR	KAIS UR	J										182	S	S	INST OF EXPERI- MENTALMETEROLOGY NATIONAL CENTER FOR SCIENTIFIC RES
R7003-0203	0025	MP-12	UR FR	KAIS UR	B C										N/A	S	S	INST OF EXPERI- MENTALMETEROLOGY NATIONAL CENTER FOR SCIENTIFIC RES
R7003-0204	0140	MP-12	UR	KAIS UR	G D										179	S	S	INST OF EXPERI- MENTALMETEROLOGY NATIONAL CENTER FOR SCIENTIFIC RES
R7003-0205	1437	MP-12	UR FR	KAIS UR	J										N/A	S	S	INST OF EXPERI- MENTALMETEROLOGY NATIONAL CENTER FOR SCIENTIFIC RES
R7003-0503	2350	MP-12	UR FR	KAIS UR	J										162	S	S	INST OF EXPERI- MENTALMETEROLOGY NATIONAL CENTER FOR SCIENTIFIC RES
R7003-0606	2335	MP-12	UR FR	KAIS UR	J										N/A	S	S	INST OF EXPERI- MENTALMETEROLOGY NATIONAL CENTER FOR SCIENTIFIC RES
R7003-0736	1450	MP-12	UR	KAIS UR	V										161	S	S	INST OF EXPERI- MENTALMETEROLOGY NATIONAL CENTER FOR SCIENTIFIC RES
R7004-1605	0706	MP-12	UR	VOLG UR	B										170	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7004-1606	0730	MP-12	UR	KAIS UR	F										175	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7004-1607	1102	MP-12	UR	KAPU UR	B										170	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7004-2102	0601	MP-12	UR	KAPU UR	F										175	F	F	INST OF EXPERI- MENTALMETEROLOGY

02/02/T2

NSSEC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS										APPROX APOGEE	SUCCESS R	E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0				
R7004-2301	0700	MP-12	UR	KAIS	UR		B								175	S	S	CENTRAL AEROLOGICAL OBSERVATORY
R7004-2302	0732	MP-12	UR	KAPU	UR		F								170	S	S	CENTRAL AEROLOGICAL OBSERVATORY
R7004-2303	1101	MP-12	UR	KAPU	UR		B								170	S	S	CENTRAL AEROLOGICAL OBSERVATORY
R7004-2402	0730	MP-12	UR	KAPU	UR		F								175	S	S	INST OF EXPERIMENTALMETEROLOGY
R7004-2601	1305	MP-12	UR	KAIS	UR		B								175	F	F	CENTRAL AEROLOGICAL OBSERVATORY
R7006-2601	1820	MP-12	UR	KAPU	UR		F								145	S	S	INST OF EXPERIMENTALMETEROLOGY
R7007-0104	1805	MP-12	UR	KAPU	UR		V								149	S	S	INST OF EXPERIMENTALMETEROLOGY
R7007-0302	1650	MP-12	UR	KAPU	UR		V								167	S	S	INST OF EXPERIMENTALMETEROLOGY
R7007-0601	1747	MP-12	UR	KAPU	UR			C							149	S	S	INST OF EXPERIMENTALMETEROLOGY
R7007-0602	2209	MP-12	UR	KAPU	UR		F	E							171	S	S	INST OF EXPERIMENTALMETEROLOGY
R7007-0603	2343	MP-12	UR	KAPU	UR		G								150	S	S	INST OF EXPERIMENTALMETEROLOGY
R7007-0701	0148	MP-12	UR	KAPU	UR		V								169	S	S	CENTRAL AEROLOGICAL OBSERVATORY
R7007-0806	2348	MP-12	UR	VOLG	UR		G								140	S	S	INST OF EXPERIMENTALMETEROLOGY
R7007-0901	1752	MP-12	UR	KAPU	UR		V								140	S	S	INST OF EXPERIMENTALMETEROLOGY
R7007-1402	0704	MP-12	UR		UR			C							171	F	S	INST OF EXPERIMENTALMETEROLOGY
R7007-2302	1225	MP-12	UR		UR			C							167	S	S	INST OF EXPERIMENTALMETEROLOGY
R7007-2402	1640	MP-12	UR		UR		G	D							180	F	F	INST OF EXPERIMENTALMETEROLOGY
R7007-2501	1403	MP-12	UR		UR			C							150	S	S	INST OF EXPERIMENTALMETEROLOGY
R7007-2602	1720	MP-12	UR		UR			C							158	S	S	INST OF EXPERIMENTALMETEROLOGY
R7007-2603	1949	MP-12	UR		UR			C							180	S	S	INST OF EXPERIMENTALMETEROLOGY
R7007-2604	1301	MP-12	UR		UR			C							158	S	S	INST OF EXPERIMENTALMETEROLOGY
R7007-3002	0821	MP-12	UR		UR			C							160	S	S	INST OF EXPERIMENTALMETEROLOGY
R7007-3003	1426	MP-12	UR		UR			C							159	S	S	INST OF EXPERIMENTALMETEROLOGY
R7008-0402	0431	MP-12	UR		UR		F								165	S	S	INST OF EXPERIMENTALMETEROLOGY
R7008-0403	1718	MP-12	UR		UR		F								158	S	S	INST OF EXPERIMENTALMETEROLOGY

SPECIAL ROCKET LISTING ORDERED BY SPONSORING COUNTRY/AGENCY

02/02/72

NSSC ID	TIME (UT)	AGENCY ROCKET ID	SPONSORING COUNTRY	LAUNCH SITE	EXPERIMENTS											APPROX APOGEE	SUCCESS R	SUCCESS E	PRINCIPAL EXPERIMENTER(S)
					1	2	3	4	5	6	7	8	9	0					
R7008-0501	0820	MP-12	UR	UR												149	S	S	INST OF EXPERI- MENTALMETEROLOGY
R7008-0502	1630	MP-12	UR	UR												149	S	S	INST OF EXPERI- MENTALMETEROLOGY
R7008-1002	1637	MP-12	UR	UR												150	S	S	INST OF EXPERI- MENTALMETEROLOGY
R7008-1003	0612	MP-12	UR	UR												158	S	S	INST OF EXPERI- MENTALMETEROLOGY
R7010-2001	1205	MP-12	UR	KAPU UR												150	S	S	INST OF EXPERI- MENTALMETEROLOGY
R7010-2104	1325	MP-12	UR	KAPU UR												176	S	S	INST OF EXPERI- MENTALMETEROLOGY
R7010-2105	1503	MP-12	UR	KAPU UR												168	S	S	INST OF EXPERI- MENTALMETEROLOGY
R7011-2702	2015	MP-12	UR	KAIS UR												160	S	S	INST OF EXPERI- MENTALMETEROLOGY
R7012-1605	0903	MP-12	UR	KAPU UR												165	F	F	INST OF EXPERI- MENTALMETEROLOGY
R7012-1801	0530	MP-12	UR	KAPU UR												160	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-2203	1000	MP-12	UR	KAPU UR												170	S	S	INST OF EXPERI- MENTALMETEROLOGY
R7012-2204	2330	MP-12	UR	KAPU UR												165	S	S	INST OF EXPERI- MENTALMETEROLOGY
R7012-2205	1825	MP-12	UR	KAIS UR												185	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-2803	1400	MP-12	UR	KAIS UR												150	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R7012-2902	2008	MP-12	UR	KAIS UR												160	S	S	INST OF EXPERI- MENTALMETEROLOGY
R6705-2502	0900	MP-12	UR	KAPU UR												N/A	S	S	UNKNOWN
R6910-2902	0900	P017H	UR	KAIS UR												89	S	S	CENTRAL AEROLOG- ICAL OBSERVATORY
R5802-2101	1142	RMS-1	UR	UR												206			UNKNOWN
R6402-0902	0412	AC -3 -603	VA CA	FTCR CA												228	S	S	ULWICK, J. C.